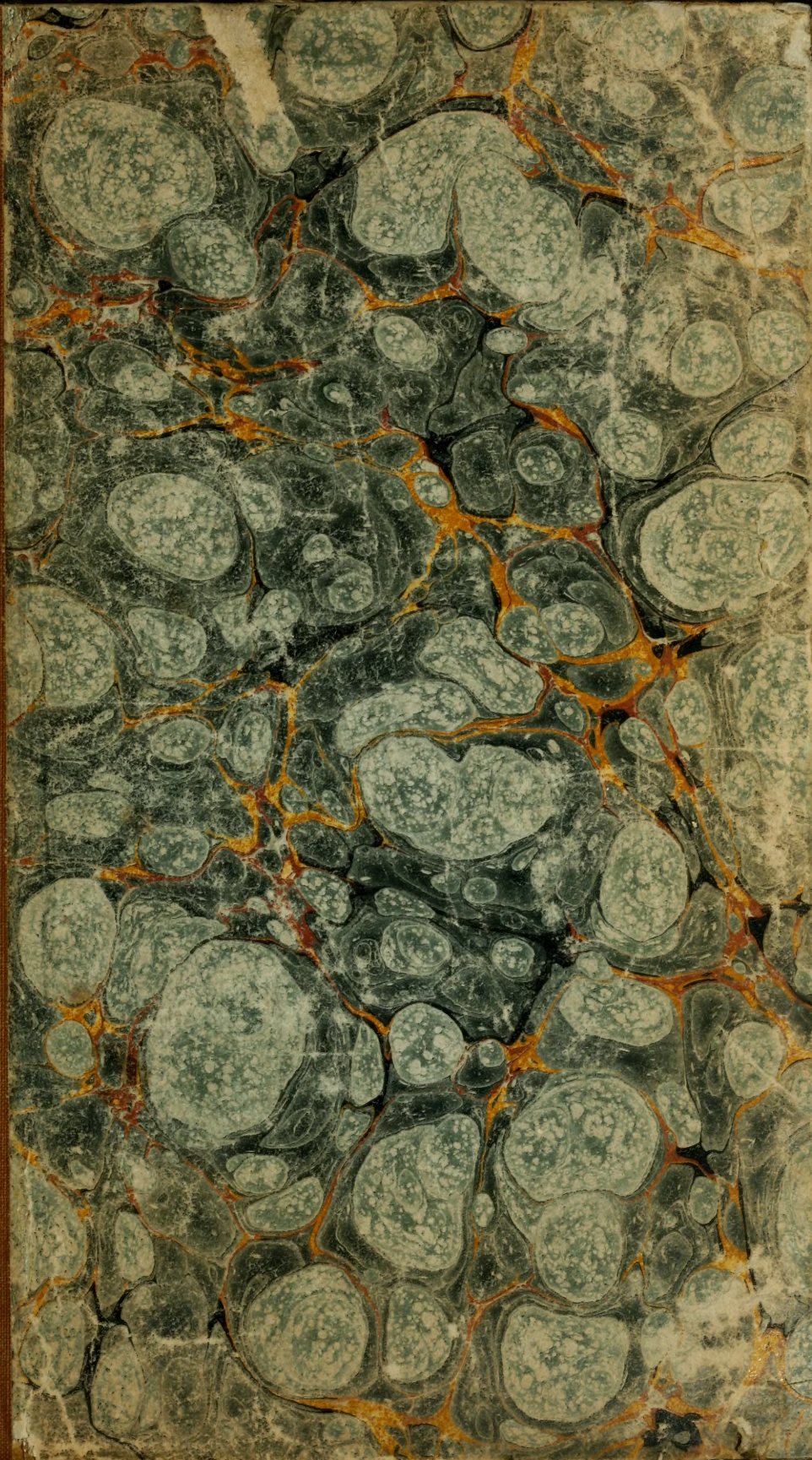

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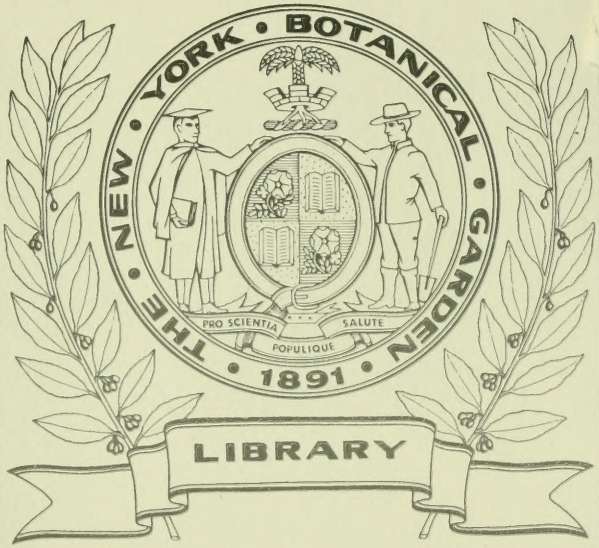
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FLORA

OF

DERBYSHIRE:

FLOWERING PLANTS, HIGHER CRYPTOGAMS, MOSSES AND HEPATICS, CHARACEÆ.

BY

WILLIAM RICHARDSON LINTON,

VICAR OF SHIRLEY, DERBYSHIRE.

WITH TWO MAPS. lack maps

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PREFACE.

THE project of producing a Flora of Derbyshire announced in the *Journal of Botany* in 1896, 46, is so far accomplished that it seems desirable at length to publish results, though, no doubt, further investigation will yield many more data of interest. The present work, accordingly, cannot be regarded as much more than a stage forward towards a complete account of the botany of the County. It is to be regretted that some departments, as Fungi, Lichens and Algæ, owing to the lack of time and workers to investigate them, have had to be omitted from the present volume. During the ten years which have elapsed since the work was first entered upon, nearly every parish has been visited and searched, either by the author or by helpers co-operating with him. In the Flora the older records have, as a rule, been inserted, and are commonly placed after the later and more recent notices, thus, together with the mention of the first records, giving a historical aspect to the account of the County botany. It will be remarked that many entries of previous publications have been altered, and some omitted; in most cases this is because they have been found to be erroneous, *e.g.*, Mr. Waterfall repudiated many of the records attributed to him in C.D., and supplied a fresh list, which supersedes his earlier contribution. All the authorities employed in C.D. have been carefully gone through, and corrections made where necessary, among them

Sm. MSS., the entries from which, as well as from the other sources, are now, I believe, correct.

The nomenclature and order of arrangement adopted for the Phanerogams follow for the most part those of the 9th edition of the London Catalogue, except that the *Coniferæ* are placed after the *Grasses*; for the *Mosses* the Handbook of Messrs. Dixon & Jameson has been employed, except that the *Sphagna* are arranged on the Warnstorfian system as interpreted by Mr. Horrell, and the *Harpidioid Hypna* according to Mr. Wheldon's article on them in the *Naturalist* for March, 1902, whilst for the *Hepatics* the excellent Monograph of Mr. Pearson has been followed. The *Characeæ* are placed last, as being most nearly allied to *Algæ*.

The author will be glad of, and grateful for, any notes of further botanical discoveries or matter interesting as bearing on the Flora of the County.

Thanks are due to many helpers who have assisted in various ways in the production of the present work, especially Professor T. Barker, for help in the investigation of the Mosses; Professor J. W. Carr and Mr. T. Gibbs, for lists of plants and co-operation in field work; Messrs. J. & H. Groves, for help with the *Characeæ;* Mr. J. F. Hanbury and Rev. A. Ley, for help with *Hieracia;* the latter also for list of Mosses and aid in field work; Mr. G. A. Holt, list of *Hepatics;* Rev. E. F. Linton, for much assistance in field work and determination of specimens; Mr. S. M. Macvicar, for considerable assistance in the determination of *Hepatics;* Dr. H. R. Mill, for an instructive and valuable paper on the County rainfall; Rev. W. M. Rogers, for much help

with the *Rubi;* Mr. F. Townsend, for determination of *Euphrasiæ:* Mr. C. Waterfall, for list of plants and aid in compilation of the index; Mr. J. A. Wheldon, for determination of the *Harpidioid Hypna* The names of others who have helped are appended:—

Mr. G. Appleby, Burton-on-Trent.

Miss E. Armitage, Herefordshire.

Mr. C. Bailey, Manchester.

Mr. John Barrow, Manchester.

Rev. R. Bindley, Mickleover.

Rev. R. K. Bolton, Fenny Bentley, Derbyshire.

Mr. E. Drabble, Chesterfield.

Mr. L. E. Emmet, Sheffield.

Miss A. A. Fenton, Bakewell.

Rev. R. Feilden, Mugginton, Derby.

Rev. H. Friend.

Mrs. Foord-Kelsey, Quorn, Loughborough.

Mr. W. J. Fordham, Sheffield.

Rev. W. Fyldes, Hartington.

Rev. R. W. Goodall, Lincoln.

Mr. T. G. Hill.

Mr. A. James, Shirley.

Mr. C. B. Kingdon, Melton Mowbray.

Mr. H. C. Levinge (the late), Knock Drin, Mullingar.

Mr. A. E. Lomax (the late), Liverpool.

Rev. R. P. Murray, Shapwick, Dorset.

Mr. J. E. Nowers, Burton-on-Trent.

Rev. W. H. Painter, Stirchley, Salop.

Rev. W. H. and Miss A. B. Purchas, Alstonfield, Staffs.

Miss M. Rogerson, Peak Forest.

Misses C. R. and A. Sandford, Worcester.

Mr. G. F. Scott-Elliot, Glasgow.

Mr. M. B. Slater, Malton, Yorks.

Mr. E. Snelgrove, Sheffield.

Capt. A. Stewart (the late), Ventnor.

Mr. J. E. Sunderland.

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INTRODUCTION.

THE COUNTY RAINFALL.

HUGH ROBERT MILL, D.Sc.,

Director of the British Rainfall Organization.

THE rainfall of a district possessed of such varied configuration as Derbyshire cannot be easily ascertained, as every valley and every spur of the higher ground presents a different slope and aspect to the rain-bringing wind, and so secures a different amount of precipitation of moisture. On this account records of rainfall, no matter how scrupulously they are kept, may, unless they are very numerous and carefully considered, give a misleading idea as to the total amount of rain which falls upon the County in the course of a year. It is necessary to consider not only the few very long records which exist in order to ascertain the true average rainfall at certain places, but also to examine all records, long or short, in order to find how, in any particular year, the amount of rainfall varies from place to place. Such a method of discussion would be impossible were it not for the fact that nearly all the observers of rainfall in the British Isles co-operate together so as to make their work available for the benefit of the community. From 1860 to 1899 the late Mr. J. G. Symons, F.R.S., collected and published the work of the observers in his forty annual volumes of *British Rainfall*, and his old colleague, Mr. Sowerby Wallis, and I have continued to preserve the records, and to encourage amateur meteorologists to extend them. I look on it as a duty and a privilege to maintain the tradition of my predecessors, and to make these records as widely useful as possible.

The fluctuations of rainfall in Derbyshire from year to year may be seen from Table I., which shews the figures for ten consecutive years at several stations, representing the various degrees of raininess in the County.

TABLE I.

Annual Rainfall for the ten years, 1890-99.

Station.	Altitude in feet.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	Average. 1890-99.	
Findern ...	186	20·15	30·01	21·32	19·24	20·86	22·30	19·96	25·36	18·59	21·22	21·90	ins.
Codnor ...	372	23·25	33·09	23·60	22·07	23·50	24·62	27·86	26·42	21·41	27·07	25·29	,,
Chesterfield ...	251	23·27	29·76	25·44	21·69	25·01	24·83	23·03	25·68	20·85	26·81	24·63	,,
Matlock ...	459	30·78	41·69	33·09	27·57	32·48	34·22	32·05	35·44	28·80	32·64	32·88	,,
Woodhead Stn.	878	43·53	56·88	47·22	42·69	51·25	44·13	50·45	47·62	45·76	41·92	47·15	,,

The average of successive periods of ten years is subject to much smaller variations than the rainfall of individual years, and the average for any thirty consecutive years is very nearly constant, and may be looked on as a true average for most purposes. Table II. gives a comparison of ten year and thirty year averages for three representative stations.

TABLE II.

Average Annual Rainfall for ten and for thirty year periods.

Station.	Altitude in feet.	1860-9.	1870-9.	1880-9.	1890-9.	1870-99.	
Chesterfield	251	26·93	30·54	27·41	24·63	27·53	inches.
Matlock Bath	500	—	39·66	36·62	28·93	35·07	,,
Chapel-en-le-Frith ...	965	41·95	42·56	38·19	37·28	39·34	,,

From a consideration of all the available figures for long-period averages, we are able to arrive at the general distribution of rainfall. It must be remembered, however, that figures are not available for considerable areas in the north of the county, and consequently we cannot say with certainty where the wettest point is situated, although we have no doubt that it is not very far from the highest ground. We can, however, say definitely that the southern and eastern extremities of the county (south of

Derby and east of Chesterfield at least) have an annual average rainfall of less than 30 inches, but more than 25, and that the amount of rain increases fairly regularly towards the north-west and north. It probably exceeds 35 inches everywhere north-west of a line drawn through Dronfield and Matlock, and does not probably fall short of 40 inches in any part of the County lying North-west of a line drawn from Buxton to near Sheffield. It is probable that average falls exceeding 50 inches in the year occur at several points in the high ground; but it is unlikely that so great a rainfall as 60 inches is reached.

The distribution of the rainfall thus sketched is arrived at solely from the consideration of the actual amounts measured at a number of stations, and it is found to shew a close relationship to the physical features of the land. The area within which the rainfall exceeds 40 inches contains all the highest land in the County; and as the hills sink southward, eastward and westward to the Central Plain of England, the mean annual rainfall on their slopes diminishes steadily. Again, as might be expected from the fact that the prevailing rain-bearing winds come from the south-west, the western slopes are found, as an almost invariable rule, to be wetter than the eastern.

In this relation it is interesting to notice how all the rivers radiating from the southern extremity of the Pennine Heights derive their waters from a narrow region of high rainfall, and distribute them broadly over the plain. It is natural also that the ring of manufacturing towns on the New Red Sandstone plain encircling the hill country should derive their water supply from the unpeopled uplands which bring down the moisture borne by the winds from the Western Ocean.

In conclusion, attention may be directed to the average distribution of rain throughout the months of an average year at two typical and contrasted stations, situated just beyond the county boundary in the south and in the north.

TABLE III.

Average Monthly Rainfall for the years 1870-99.

	Burton-on-Trent.	Woodhead Reservoir.
	ins.	ins.
January	2·11	3·87
February	1·64	3·37
March	1·59	3·63
April	1·85	2·87
May	2·21	3·16
June	2·67	3·53
July	2·73	4·18
August	2·90	4·49
September	2·62	4·66
October	3·07	5·71
November	2·31	4·67
December	2·31	4·71
Year ...	28·01	48·85

Percentage of Annual Fall.

		Burton-on-Trent.	Woodhead Reservoir.
Spring ...	March-May ...	20·16 ...	19·76
Summer ...	June-August ...	29·64 ...	25·00
Autumn ...	Sept.-Nov. ...	28·56 ...	30·78
Winter ...	Dec.-Feb. ...	21·64 ...	24·46
	Year ...	100·00	100·00

At each Station the driest month is seen to occur in Spring (March or April), and the wettest in Autumn (October); but it will be noticed from the table of seasonal percentages that the Summer months are relatively wetter and the Winter months relatively drier in the comparatively dry region in the south than in the region of heavier rainfall to the north of the County. This is probably due to the greater proportional effect of violent thunderstorm rains in Summer in the district of comparatively low rainfall.

CLIMATE AND SPECIES.

1.—CLIMATIC ZONES.—There are various conditions or factors, the combination and interaction of which go to the production of climate in any region—heat and cold, or the range of temperature; humidity and rainfall; the winds, according to their prevailing direction; the nature of the surface, whether flat, irregular or hilly, rocky or otherwise; the presence or absence of trees; latitude, longitude, and altitude. On these the climate depends, and, consequently, the kinds of plants which are found in a given area, and their distribution. Mr. Watson has represented in his Compendium of the "Cybele Britannica" the combined effect of some of the above conditions in his scheme of regions and zones, which may be briefly expounded as follows:—By taking the upper limit of grain crops as the median line we get a bisectional division for Great Britain; the upper designated the Arctic region, the lower the Agrarian. Each region is on the same principle divided into three zones, the infer- mid- and super-arctic and the infer- mid- and super-agrarian, one zone being distinguished from its neighbour by certain plants which are characteristic of it, and which disappear in ascending to the zone above. As we go northward plants descend to a lower altitude, till on the north coast of Scotland alpine plants may be found almost at sea-level; in other words, latitude may be said to have a depressing effect on the zones going north, and conversely an elevating effect on those going south. The contrast is especially marked in Derbyshire owing to the fact that the southern portions of it lie at a low level, and the northern reach a decidedly high elevation. No better scheme than Mr. Watson's has been put forth, nor more useful in determining the relation of the flora to the physical character

of any area. It should be added that in two or three points this theory has received elucidation in recent publications, viz., Mr. Baker's "Flora of the Lake District," pages 3 to 6, and in an interesting paper by Mr. S. M. Macvicar in "Journal of Botany," 1898, 82 sqq. It is there pointed out that the real determining factor in the distinguishing of zones is temperature, and further that the influence of temperature is itself modified by that of the surface conditions; that is, by the presence or otherwise of suitable stations. Thus in some cases boreal species are found ascending higher than their normal zone when there are suitable rocks or soil, and in others not reaching their usual elevation, for want of the same.

In Derbyshire we have three zones exemplified, the two upper zones of the Agrarian, and the lowest zone of the Arctic region. The lowest zone of the Agrarian is not, I consider, admissible within our boundaries, for although Mr. Watson lays down the Trent as the northern limit of this zone, yet of the three species occurring which belong to it alone, *Rubia* has evidently ascended above its normal elevation, *Clematis* is very doubtfully indigenous, and *Œnanthe fluviatilis* is scarcely a test plant of a zone. Beginning, then, with our lowest—the mid-agrarian zone—of which the characteristic species are *Rhamnus catharticus* and *Cornus sanguinea*, it may be subdivided with us into two; first a lower, milder, warmer area south and east of Derby, and from Burton along the course of the Trent, ranging from about 90 feet to 250 feet, in which the following plants reach their upper limit:—*Diplotaxis muralis*, *Geranium pusillum*, *Vicia lathyroides*, *Bryonia dioica*, *Œnanthe fluviatilis*, *Dipsacus silvestris*, *Filago minima*, *Hottonia palustris*, *Utricularia vulgaris*, *Polygonum minus*, *Rumex maritimus* and *R. pulcher*, *Calamagrostris lanceolata*, *Festuca Myurus*; and second a higher area, comprising the valleys and hillsides from 250 feet to 1,050 feet in the central and south-western part of the County, with *Euonymus europæus*, *Rhamnus catharticus*, *Acer campestre*, *Convolvulus sepium*, *Tamus communis* as characteristic species, which reach their limit here.

Our next zone in the ascending scale is the Super-agrarian, where *Rhamnus* and *Cornus* disappear and *Pteris* and cultivation reach their limit. The zone includes the higher levels from about 1,100 feet in the central part of the County and 900 feet in the Peak, to about 1,800 feet. Characteristic plants are *Ilex aquifolium*, reaching to 1,700 feet; *Crateagus oxyacantha*, 1,350 feet; *Rubus fruticosus*, 1,150 feet; *Lonicera periclymenum*, 900 feet; *Fraxinus excelsior*, 1,350 feet; *Digitalis*, nearly to the limit; *Quercus robur*, 1,200 feet. Of alpine plants *Draba incana* is found as low as 800 feet, *Arctostaphylos Uva-ursi* at 1,250 feet, *Pteris* reaches 1,650 feet on Axe Edge, and nearly the same level on the moorland above Glossop, whilst at Grinah Stones it ascends to 1,800 feet, and near it *Rubus chamæmorus* descends to 1,600 feet.

Our next and highest zone is the Infer-arctic, where *Pteris* disappears and *Erica tetralix* reaches its limit. This embraces the high moorland above the 1,800 feet level, the highest points being Bleaklow Stones, 2,060 feet; Kinderscout, 2,031 feet; Crowden Head, 2,070 feet; a point near it marked 2,088 feet on the Ordnance map; Kinderlow, 2,077 feet; to which may be added Axe Edge, 1,810 feet, the source of the Dove and the Wye. Characteristic species are *Rubus chamæmorus*, abundant south of Bleaklow Hill, and about the sources of the Derwent, where, with tussocks of *Festuca ovina*, it covers the ground to the exclusion of other plants; *Pyrus aucuparia*; *Vaccinium Vitis-idæa*; *V. oxycoccos*; *Arctostaphylos uva-ursi*; *Andromeda polifolia*; *Calluna vulgaris*; *Empetrum nigrum*, very plentiful with *Vaccinium Myrtillus* on Bleaklow Hill; *Listera cordata*; *Habenaria albida*; *Juncus squarrosus*.

2.—TIMES OF FLOWERING.—Climate exercises considerable influence on the flowering time of plants; the flora of Derbyshire, as a whole, maturing later than in counties lying to the south of it, whilst within the County the wide altitudinal range causes the flowering time to vary as much even as two or three weeks in different parts. For example, *Stellaria Holostea*, which in the plain is out of flower by mid June, was

found in full flower above Froggatt at 1,100 feet on July 28th. This is naturally all the more exemplified in species possessing the greatest range, such, for instance, as *Montia*, *Linum catharticum*, *Angelica*, *Vaccinium Myrtillus*, *Lysimachia nemorum*, and *Teucrium Scorodonia*. *Picris hieracioides* (900 feet) and *Erythræa Centaurium* (800 feet) were seen in full flower in September, and at the same time *Volvulus Sepium* (1,200 feet) had only its first flowers out. *Geranium pusillum*, on the Staffordsire side of Dovedale, at the unusual elevation of 900 feet, was in full flower in mid-September. These few examples, which could be greatly multiplied, may suffice to illustrate what is true, more or less, of the whole flora. As, further, the period of flowering varies widely in different seasons, the time assigned to each species cannot be more than approximate. It is, in every case, to be understood as embracing both the earlier or lowland and the later or upland time of flowering.

Whilst on this subject, it may be well to add a few remarks of a general nature on the flowering times of plants. The high tide of flowering is reached in the summer, and the lowest point coincides with the coldest part of the year. An attempt is here made to classify the flowering periods of our flora, and to some extent make out their causes. If we take the two halves of the civil year, we may make two corresponding groups of plants—an earlier one of spring flowerers, and a later one of summer flowerers. Besides these two main groups we may find one smaller, intermediate and fairly distinguishable group, whose flowering period falls within the two midsummer months of June and July, and, finally, a much smaller group, whose flowering time extends over both spring and summer, and even over the greater part of the year. Restricting our classification to the indigenous and long-established species, and excluding aliens, casuals, and a few others, viz., some *Batrachian Ranunculi* forms, *Rubi*, &c., the result of the analysis is, for Derbyshire, as follows:—

Spring flowerers	190
Summer flowerers	410
Midsummer flowerers	126
Spring and Summer flowerers ...	62

The spring flowering group includes all those species which possess the habit of storing up nutriment beforehand, by which they are able to make an early start in the following season, of which may be mentioned as instances, *Anemone*, *Ficaria*, *Brassica*, *Tussilago*, *Arum*, bulbs, tuberous plants as Orchids, and most trees and shrubs, and several wind fertilized plants, such as *Thalictrum*, *Poterium*, *Mercurialis*, *Salix*, *Carices*, *Gramina*. The summer flowering group, it will be observed, outnumber all the rest put together. It might be expected that in the warmer part of the year the greatest number would reach maturity, but, physically, it is the lack of stored nutriment and the vegetative work, which has in consequence to be got through in order to supply it, which delays their flowering till spring is over. The ability of the fourth group to prolong their flowering period may be due to their greater vital force and hardihood; they are mostly spring and summer flowerers, and only a very few include any part of winter or autumn in their period.

SOILS AND SPECIES.

BOTANICAL DIVISIONS.

THE botanical divisions are based upon the surface geology of the County so far as practicable, and are arranged in order of formations, beginning with the oldest and designated by letters indicative of the main formation. Wherever, besides the proper formation of a division, parts of other formations are included in it, this will be pointed out under that division. It seems unnecessary to describe the boundaries of the divisions, as they will be sufficiently indicated in the map.

L.—MOUNTAIN LIMESTONE.—This, the oldest geologically, occupies the west central part of the County. It is interpolated here and there with sheets of contemporaneous lava (toadstone), though in some cases the toadstone is a later intrusion, as near Peak Forest and Tideswell. It has three small outliers—at Ashover and Crich eastwards, and at Snelston Common southwards, besides another south of the Trent at Ticknall and Calke. By the action of water, deep ravines or cañons have been carved out on its west, north and east borders, the well-known dales, where the characteristic flora mostly abounds. The main plateau rises here and there into rounded hills, the dales present tiers of wall-like cliffs along their sides. Two small beds of glacial deposit overlie part of the area on the east side of Mappleton, and from Ashbourne to Ashbourne Green. The mountain limestone is succeeded on all sides by the Yoredale Rocks, well seen at Mam Tor above Castleton, some of them on the south border being included in this division.

The following is a list of plants characteristic of a limestone soil, those peculiar to it being marked with an asterisk: —

*Thalictrum minus *L.*
Helleborus viridis *L.*
Arabis hirsuta *Scop.*
*Cardamine impatiens *L.* (Occasionally carried into other districts along the banks of streams.)
*Draba muralis *L.*
*Draba incana *L.*
*Cochlearia alpina *H. C. Wats.*
*Thlaspi alpestre *L.*
*Hutchinsia petræa *R. Br.*
Helianthemum vulgare *Gærtn.*
Viola hirta *L.*
*Silene nutans *L.*
Arenaria verna *L.*
*A. tenuifolia *L.*
Hypericum Androsæmum *L.*
*H. montanum *L.*
*Geranium sanguineum *L.*
G. columbinum *L.*
G. lucidum *L.*
*Hippocrepis comosa *L.*
Spiræa filipendula *L.*
*Potentilla verna *L.*
Poterium sanguisorba *L.*
Rosa spinosissima *L.*
Pyrus rupicola *Syme.*
*Saxifraga hirta *Haw.*
*S. hypnoides *L.*
Ribes alpinum *L.*
Sedum Telephium *L.*
*Galium silvestre *Poll.*
*Valerianella carinata *Loisel.*
Scabiosa columbaria *L.*
Erigeron acre *L.*

Inula conyza *DC.*
Carlina vulgaris *L.*
Cnicus eriophorus *Hoffm.*
C. acaulis *Hoffm.*
*Hieracium lasiophyllum *Koch.* var. planifolium *F. J. Hanb.*
*H. britannicum *F. J. Hanb.*
*H. rivale *F. J. Hanb.* v. subhirtum *F. J. H.*
*H. rubiginosum *F. J. Hanb.*
*H. holophyllum *W. R. L.*
*H. cymbifolium *Purchas.*
*H. vulgatum *Fr.* v. glaucovirens *Dahlst.*
*H. prenanthoides *Vill.*
Campanula Trachelium *L.*
C. glomerata *L.*
*Pyrola minor *L.*
Hypopithys multiflora *Scop.*
Blackstonia perfoliata *Huds.*
Gentiana Amarella *L.*
*Polemonium cœruleum *L.* (Occasionally carried off limestone along streams.)
Lithospermum officinale *L.*
Cynoglossum officinale *L.*
Plantago media *L.*
Origanum vulgare *L.*
Thymus serpyllum *L.*
Nepeta Cataria *L.*
*Daphne mezereum *L.*
*Juniperus communis *L.*
Taxus baccata *L.*
*Epipactis atrorubens *Hoffm.*
Orchis ustulata *L.*
O. pyramidalis *L.*
Ophrys apifera *Huds.*
O. muscifera *Huds.*
Habenaria conopsea *Benth.*
*Polygonatum officinale *All.*

Convallaria majalis *L.*
*Scirpus Caricis *Retz.*
*Carex digitata *L.*
*C. ornithopoda *Willd.*
Avena pratensis *L.*
Kœleria cristata *Pers.*
Melica nutans *L.*
Bromus erectus *Huds.*
Brachypodium pinnatum *Beauv.*
*Asplenium viride *Huds.*
Ceterach officinarum *Willd.*
*Phegopteris calcarea *Fée.*

The Yoredale Rocks comprise two groups—soft black earthy shales with thin layers of limestone interspersed, and lighter coloured harder shales with layers of sandstone. The former, which are the older, are found immediately adjoining the limestone, and in the valleys along the course of streams, *e.g.*, the Noe, the upper part of the Dove, Nun's Brook near Buxton, the Wye between Bakewell and the Derwent, the Henmoor Brook, and at Ticknall and Calke Abbey in the south. The latter, which are more recent, occur at higher levels, as in the Edale Valley up to the summit of Mam Tor. Being impervious to water, the shales, especially the lower group, tend to produce a wet marshy surface with coarse grass rushes and bog plants as characteristic vegetation.

G.—MILLSTONE GRIT.—Lying over the limestone shales on the east and north is the Millstone Grit, consisting mostly of massive coarse, hard sandstones, of which there are four or five beds,[1] their outcrop running generally north and south. The shales on which they rest have worn away to a large extent, producing valleys lying along the outcrop, topped by continuous and lofty escarpments of grit on their eastern side. The grit constitutes a considerable part of the extensive and high tableland of the Peak, and also of Axe Edge, extending southwards

[1] For an account of these see Dale's "Scenery and Geology of the Peak of Derbyshire," pp. 61-64.

on both sides of the Derwent Valley, but gradually narrowing to Little Eaton, a few miles north of Derby. South of the Trent the grit crops up in a small area about Stanton and Melbourne, between Ticknall and Repton Rocks, and around Calke. For convenience sake the grit surface is divided into two by a line from Ringinglow down the old road, passing south of Hathersage, and thence direct to Brough, where it joins the limestone boundary. The district north of this is designated G1, that south, as far as Little Eaton, G2. The northern division, it must be admitted, includes a considerable extent of other formations than grit, viz., the Yoredale rocks already mentioned, which surround the central grit, and also occupy a triangular area south of Buxton from east of Axe Edge to near Glutton; and a stretch of lower coal measures reaching from Fernilee to the north boundary of the County, which enclose a small extent of grit between New Mills and Mellor.

The southern division, too, contains other formations in the shape of the Yoredale rocks above mentioned between the grit and the limestone on the west, and further south between Wirksworth and Little Eaton, and the two small outliers of limestone at Ashover and Crich, the former surrounded by a small area of Yoredale rocks. A list of plants characteristic of the grit is here appended, those peculiar to it being marked with an asterisk:—

Ranunculus Lenormandi *Schultz.*
Genista anglica *L.*
*Rubus chamæmorus *L.*
Potentilla comarum *Nestl.*
Drosera rotundifolia *L.*
*Vaccinium Vitis-idæa *L.*
*V. oxycoccos *L.*
*Arctostaphylos uva-ursi *Spreng.*
*Andromeda polifolia *L.*
Myosotis repens *D. Don.*
Empetrum nigrum *L.*

*Listera cordata *R. Br.*
*Habenaria albida *R. Br.*
Narthecium ossifragum *Huds.*
Juncus squarrosus *L.*
Potamogeton polygonifolius *Pourr.*
Elocharis multicaulis *Sm.*
Eriophorum polystachyon *L.*
Carex dioica *L.*
C. pulicaris *L.*
C. echinata *Murr.*
C. curta *Good.*
C. fulva *Good.*
Molinia cœrulea *Good.*
Nardus stricta *L.*
*Lycopodium inundatum *L.*
*L. alpinum *L.*
*Selaginella selaginoides *Gray.*

C.—COAL MEASURES.—The grit is succeeded eastwards by the coal measures. The lower beds form a strip of varying width on the west of the true coal measures. They consist of varied sandstones, shales, fireclays, and a few thin coal seams, and above them on the east we reach the middle and upper coal measures extending to the County boundary, and to a line drawn north and south by Bolsover, and southward to a line south of Stanley, Dale, Stanton, and just above Sandiacre. In addition to this east central coal region there are some patches of lower coal measures west of the Peak, one close to the County boundary west of Hayfield, a second extending from Ottersett Moor to Fernilee, and a very small piece at the top of Goyt's Clough. There is also a small area of coal measures south of the Trent, being an extension of the Leicestershire coalfield, and which runs up here to Church Gresley, Swadlincote, Newhall, and Hartshorn, between Southwood and Scaddows near Calke, and a small patch between Ingleby and Robin Wood.

As regards the flora, the coal measures are not especially interesting. They can scarcely be said to possess a distinctive

flora, though there are several species which are noticeable for their prevalence on them. A few plants have been found only in this division, viz., *Rubus pallidus* Weihe, *R. Marshalli* Rogers, *Senecio viscosus* L., *Alopecurus fulvus* Sm. Plants markedly abundant on this formation are *Tanacetum*, *Tussilago*, *Hieracium boreale*, and owing apparently to the cold soil there are fewer species to be found in this division than in others, but many individual plants.

P.—PERMIAN.—Beyond the northern part of the coal-measures eastward rises the Permian formation (Red Sandstone and Magnesian Limestone), which occupies a more or less oblong tract of the County from Ault Hucknall and Pleasley on the south by Bolsover and Barlborough northward, being a westward extension of the Permian system of Yorkshire and Nottinghamshire. The red sandstone occupies a very narrow strip between the coal measures and the magnesian limestone from Barlborough by the west of Bolsover to the south border. The magnesian limestone lies at a lower elevation than the cognate mountain limestone, and like that formation has dales on its borders, viz., three—Markland Grips, Cresswell Crags, and Pleasley Park, where we have the wall-like lines of rock with characteristic flora. But there are sufficient differences in the species it supports to give its flora a distinctive character, as will be seen from the accompanying list:—

Helleborus viridis *L.*
Arabis hirsuta *R. Br.*
Helianthemum Chamæcistus *Mill.*
Viola hirta *L.*
Galium Mollugo *L.* (Abundant here, rare everywhere else.)
Erigeron acre *L.*
Inula conyza *DC.*
Cnicus acaulis *Hoffm.*
Campanula Trachelium *L.*
*Galeopsis Ladanum *L.*
Taxus baccata *L.*

*Epipactis palustris *Sw.* (Only here, though old records exist for its occurrence elsewhere.)
Orchis pyramidalis *L.*
Ophrys muscifera *Huds.*
Eriophorum latifolium *Hoppe.*
*Carex montana *L.*
Avena pratensis *L.*
Kœleria cristata *Pers.*
Bromus erectus *Huds.*
Brachypodium pinnatum *Beauv.* (Abundant, rare elsewhere.)
*Tolypella glomerata *Leonh.*

T.—TRIAS.—New Red Sandstone.—This, the last in the series, separated from the Permian by a long interval of time, occupies the south of the County with the exception of such outliers and patches of other strata occurring here and there, as have been already mentioned. There are two main beds—the Bunter yellow or red sandstone, with quartzose pebbles frequently conglomerate, which is found in strips and patches in the following localities:—at Mappleton and Sandybrook, between Ashbourne and Mugginton, between Edlaston and Brailsford, from Morley to Breadsall, at Sandiacre, on the south side of the Trent between Foremark and Repton Rocks, rising just north of Foremark into vertical cliffs known as Anchor Church, from Repton to Bretby Park, and in a strip north-west from Linton; and the Keuper red marls and waterstones (Lower Keuper) which occupy the remainder of the area. The latter (the Waterstones) usually border the Keuper Marl, occurring in fair-sized tracts from Mayfield to Yeldersley, about Norbury, Snelston, and Stydd, between Shirley and Ednaston, and below Brailsford, on a strip on which Kirk Langley is situated, in a small oblong piece at Allestree, by Sandiacre, at Weston Cliff, and in several places south of the Trent, as on the north-east of Cauldwell, about Smisby, north and south by Melbourne, around Repton and Winshill, and north-east of Newton Solney.

In the neighbourhood of Ashbourne the Keuper is overlaid with some extensive glacial deposits. These, which in some parts are as much as 50 feet in depth, occur between Yeldersley and Bradley on the east, and Ashbourne and Clifton on the west, and over a tract north and south between Alkmonton and above Edlaston. There are found here and there deposits of gravel, beds of micaceous gritstone, tile clay, and gypsum. There is a small patch of Yoredale rocks at Wild Park, Brailsford, and north-west of Mackworth Church.

The broken character of the surface, geologically, is largely caused by the numerous faults which occur, rendering the assignment of districts to Bunter and Keuper respectively impracticable, and the threefold division adopted is consequently somewhat artificial. Still, from a climatic point of view, the area designated TI., viz., all west of a line drawn from Derby southward to Swarkeston, with the exception of the villages Swarkeston, Barrow, Twyford, Willington, and Egginton, lies at a higher average elevation, and is colder than the other two divisions, and is marked by the absence (except on its eastern borders) of such plants as *Bryonia, Dipsacus silvestris, Hottonia, Festuca Myurus.*

The division designated T2, and a decidedly warmer one than the last, being the area east of Derby and north of the Trent, reaches the lowest level 80-90 feet by the Trent near Long Eaton, rising to 412 feet above Locko Park. Its surface is in part alluvial, a broad tract south of Derby containing the ancient and present beds of the Derwent, and a strip on the north bank of the Trent from Shardlow to the County boundary. Of characteristic plants, owing to the restricted area, *Samolus, Plantago Coronopus, Potamogeton flabellatus,* alone occur.

The remaining division, T3, viz., all south of the Trent, with Egginton Village, Willington, Twyford, Barrow, and Swarkeston, whilst mainly Trias, is, geologically, somewhat of a jumble, containing samples of every one of the formations hitherto noticed. Mountain limestone, Yoredale, grit, coal measures, Permian, Bunter, Keuper, are all represented. The Permian is

less than appears from the survey. In the Quarterly Journal of the Geological Society for February, 1889, Mr. H. T. Brown has shewn that the area including Knowl Hill and Coppy Hill is not Permian, but consists of Lower Keuper overlying Bunter. He has also shewn that the Bunter extends eastwards as far as Ticknall Church instead of being a quarter of a mile to the west, as coloured in the survey. The whole of his paper is most interesting and instructive, as bearing on the geological features of this district. The Red Sandstone (Permian) is found in a narrow forked strip which runs up between Bretby Park and Repton Shrubs. The altitude of T3 ranges from 120 feet along the Trent to 604 feet just south of Pistern Hill.

Appended is a list of those plants which prefer sandy habitats, and are chiefly found on the Bunter formation:—

Papaver Argemone *L.*
Corydalis claviculata *DC.*
Senebiera coronopus *Poir.*
Lepidium campestre *R. Br.*
Silene noctiflora *L.*
Cerastium arvense *L.*
Spergularia rubra *Pers.* (*Buda* Dum.)
Silaus pratensis *Besser.*
Dipsacus silvestris *L.*
Filago germanica *L.*
Senecio silvaticus *L.*
Specularia hybrida *DC.*
Anchusa arvensis *Bieb.*
Plantago coronopus *L.*
Alisma ranunculoides *L.*
Eleocharis acicularis *Sm.*
Festuca Myurus *L.*
F. sciuroides *Roth.*
Hordeum murinum *L.*

SUMMARY.—WATSON'S TYPES OF DISTRIBUTION.—RARITIES.—EXTINCTIONS.—ERRORS.—PLANTS TO BE LOOKED FOR.—PLAN OF FLORA.

THE total number of flowering plants in the County amounts to 1,001 species, representing 187 genera and 41 orders. Of the above number of plants 878 come under the headings of natives, colonists, and denizens, 74 of the remainder being aliens and 49 casuals. To these must be added 23 *Filices*, 5 *Equiseta*, 5 *Lycopodiaceæ*, making, with the *Phanerogams* a grand total of 1,034.

Mr. Watson's Types of Distribution are six in number, viz.:—

B.—British—widely spread through south, mid., and north Britain.

E.—English—chiefly seen in south or south-middle Britain.

S.—Scottish—chiefly seen in north or north-mid. Britain.

I.—Intermediate—chiefly seen in mid. Britain.

H.—Highland—chiefly seen about the mountains.

G.—Germanic—chiefly seen in east England.

A.—Atlantic—chiefly seen in west England.

L.—Local—restricted to single or few provinces.

There are a large number which do not come under one only of the above heads, which are accordingly indicated by two letters combined.

The accompanying table shews the constitution by types of the Derbyshire Flora:—

British	375	
Brit.-Eng.	99	
Brit.-Scot.	11	
Brit.-Int.	3	
Brit.-High.	4	
Brit.-Ger.	1	
Brit.-Atl.	1	
	—	494

English	165	
Eng.-Brit.	62	
Eng.-Int.	5	
Eng.-Ger.	36	
Eng.-Atl.	1	
Eng.-Loc.	3	
	—	272
Scottish	12	
Scot.-Brit.	7	
Scot.-Int.	4	
Scot.-High.	8	
	—	31
Intermediate	9	
Int.-Brit.	1	
Int.-Eng.	1	
Int.-Scot.	1	
Int.-High.	1	
Int.-Loc.	2	
	—	15
Highland	8	
High.-Scot.	1	
High.-Int.	1	
	—	10
Germanic	7	
Ger.-Brit.	2	
Ger.-Eng.	15	
Ger.-Loc.	1	
	—	25
Atlantic	3	
Atl.-Brit.	2	
Atl.-Eng.	5	
Atl.-Int.	1	
	—	11
Local	1	
Loc.-Ger.	1	
	—	2
		849

The fifteen Intermediate are:—

I. Cardamine impatiens.
I. Ribes Grossularia.
I. Ribes alpinum.
I. Ribes rubrum.
I. Ribes nigrum.
I. Myrrhis odorata.
I. Polemonium coeruleum.
I. Epipactis atrorubens.
I. Crocus nudiflorus.
IB. Gagea lutea.
IE. Poterium officinale.
IS. Andromeda polifolia.
IH. Galium silvestre.
IL. Draba muralis.
IL. Hutchinsia petræa.

The ten Highland species are:—

H. Draba incana.
H. Rubus chamæmorus.
H. Hieracium prenanthoides.
H. Hieracium strictum.
H. Arctostaphylos Uva-ursi.
H. Asplenium viride.
H. Lycopodium alpinum.
H. Selaginella selaginoides.
HS. Vaccinium vitis-idæa.
HI. Thlaspi alpestre.

The twenty-five Germanic are:—

G. Adonis autumnalis.
G. Iberis amara.
G. Hippuris vulgaris.
G. Crepis taraxacifolia.
G. Crepis biennis.
G. Lactuca virosa.
G. Salvia pratensis.
GE. Myosurus minimus.

GE. Caucalis daucoides.
GE. Galium erectum.
GE. Galium tricorne.
GE. Campanula glomerata.
GE. Specularia hybrida.
GE. Monotropa hypopithys.
GE. Limosella aquatica.
GE. Chenopodium vulvaria.
GE. Orchis pyramidalis.
GE. Orchis ustulata.
GE. Allium oleraceum.
GE. Bromus erectus.
GE. Brachypodium pinnatum.
GE. Hordeum silvaticum.
GB. Senecio viscosus.
GB. Convallaria majalis.
GL. Carum Bulbocastanum.

The eleven Atlantic species are:—

A. Rubia peregrina.
A. Wahlenbergia hederacea.
A. Melittis melissophyllum.
AB. Hypericum Androsaemum.
AB. Sedum anglicum.
AE. Coronopus didymus.
AE. Hypericum elodes.
AE. Linum angustifolium.
AE. Cotyledon umbilicus.
AE. Verbascum virgatum.
AI. Aconitum Napellus.

The two local species are:—

L. Impatiens parviflora.
LG. Lathyrus hirsutus.

In addition to the foregoing there are seventy-two species which do not appear in Mr. Watson's analysis, and which I have ventured to assign to the types to which they appear to belong. In the Flora the indicating letters in their case are printed in italics. The annexed table gives their arrangement:—

British	11	
Brit.-Eng.	1	
Brit.-Atl.	3	
	—	15
English	24	
Eng.-Brit.	10	
Eng.-Atl.	6	
Eng.-Loc.	1	
	—	41
Scottish	1	
Scot.-Brit.	1	
Scot.-High.	1	
	—	3
Intermediate	3	
Int.-Loc.	1	
	—	4
Highland	3	
High.-Scot.	1	
	—	4
Atlantic	0	
Atl.-Eng.	3	
	—	3
Local	2	
	—	2
		—
		72

Several species are very rare in Derbyshire, and in many cases more so than their occurrence in the five surrounding counties—Chester, Leicester, Notts., Staffs., and W. Yorkshire—would lead one to expect. This is represented in the table subjoined:—

	Chester.	Leicester.	Notts.	Staffs.	W. Yorks.
Erophila inflata	...	...	...	...	...
Teesdalia	×	×	×	×	×
Cerastium quaternellum	×	×	×	×	×
Hyp. Androsæmum	×	×	...	×	×

	Chester.	Leicester.	Notts.	Staffs.	W. Yorks.
H. elodes	×	?	...	×	×
Trigonella	×	...	...	...	...
Trif. subterraneum	×	×	×	...	...
Oen. crocata	×	...	...	×	×
Gal. erectum	...	?	×	?	...
Samolus	×	×	×	×	×
Gent. uliginosa	...	...	...	...	...
Scroph. umbrosa	...	...	...	×	...
Orob. minor	...	×	...	...	...
Utric. vulgaris	×	×	×	×	×
Calam. parviflora	...	×	×	...	...
Gal. Ladanum	...	...	...	...	...
Rumex pulcher	...	...	×	×	...
Salix repens	×	×	×	×	×
Junip. communis	...	...	×	...	...
Habenar. albida	×	...	...	...	×
Polygonat. officinale	...	...	...	...	...
Juncus compressus	...	×	×	×	×
Alism. ranunculoides	×	×	×	×	×
Scirp. pauciflorus	×	×	...	×	×
S. Tabernæmontani	×	...	...	×	×
Erioph. latifolium	?	?	×	...	×
Carex digitata	...	...	×	...	×
C. montana	...	...	...	...	...
Alopec. fulvus	×	×	...	×	×
Calmagr. epigeios	×	×	×	×	×
C. lanceolata	×	×	×	×	×
Festuca Myurus	×	×	×	×	×
Selag. selaginoides	×	...	...	...	×
Tolyp. glomerata	...	...	...	...	...

Some plants, happily not a large number, have, it is to be feared, become extinct; at least they are not known in their old habitats, owing to enclosures, drainage, etc. And some, perhaps, though recorded, never really existed in the County, the recording of them being due to error or confusion with other

species. Thus *Geranium silvaticum*, though occurring in Staffordshire and West Yorkshire, and recorded in Top. Bot. for Derbyshire, may possibly be a case of confusion with *G. pratense*; *Saxifraga aizoides* and *Drosera longifolia*, if not errors, seem now extinct; *Filago gallica* appears to have been confused with *F. minima*; *Gentiana Pneumonanthe* is most probably extinct; *Mentha Pulegium*, once found in several localities, seems to have died out in all; *Rumex maritimus* is not now to be found in its old habitat at Swarkeston, where Ray recorded it; *Cephalanthera pallens*, recorded in Pilkington (Newton Wood) and Top. Bot., 1883, is not now to be found; *Osmunda regalis*, in the only locality where it occurs at the present time, is an introduced plant.

There are still some few plants which seem worth mentioning as likely to occur in the County, seeing that they occur in one or more of the surrounding five, but which have not as yet been discovered, and therefore should be looked for:—

	Chester.	Leicester.	Notts.	Staffs.	W. Yorks.
Lepidium hirtum	×	×	×	×	×
Sagina subulata	×	...	...	×	×
Radiola linoides	×	×	×	×	×
Rosa stylosa	×	...	...	...	×
Drosera intermedia	×	...	×	×	×
Trientalis europæa	...	...	...	...	×
Centunculus minimus	×	...	...	×	×
Utricularia neglecta	×	...	...	×	...
U. minor	×	...	...	×	×
Mercurialis annua	×	...	×	...	×
Myrica Gale	×	...	×	×	×
Fritillaria Meleagris	...	...	...	×	×
Hydrocharis Morsus-Ranæ	×	×	×	×	×
Potamogeton heterophyllus	×	×	×	×	×
Scirpus fluitans	×	×	...	×	×
Rhyncospora alba	×	?	...	...	×
Equisetum hyemale	×	×	×	×	×

PLAN OF THE FLORA.—The scientific name and author's name abbreviated are placed first, followed by the English name and any synonyms of the scientific name. A reference to *Topographical Botany*, 2nd edition, or other work, is occasionally given where it seems desirable. Next follows the grade of citizenship, the type of distribution indicated by initial letters, the situation or habitat, the comparative frequency, the duration, and the time of flowering. The next line is occupied with the first record, and occasionally the first finding of the plant, with name of recorder and date and any name of the plant employed by the recorder. This is succeeded by an account of the occurrence of the plant in the several divisions of the County, the localities having the name of the recorder affixed, the author being responsible for those for which no recorder is mentioned. In the case of plants which occur generally through the County, localities are not given. A note of admiration means that the author has seen a specimen either dried or growing *in situ*.

Aliens, casuals, recent introductions into the County, and such like, have an asterisk prefixed, and species which have no standing in the County, or are extremely doubtful or in other ways inadmissible into the Flora, are enclosed in square brackets.

PUBLICATIONS, MSS., &c., QUOTED IN THE FLORA, ARRANGED CHRONOLOGICALLY, AS A RECORD OF BOTANICAL INVESTIGATION IN THE COUNTY.

1640.

Parkinson. — John Parkinson. Theatrum Botanicum. London. Folio.
Cochlearia alpina.

1650.

How Phyt. Brit. — William How. Phytologia Britannica natales exhibens Indigenarum stirpium sponte emergentium. London. 8vo.
Viola lutea, Ononis arvensis.

1670.

Ray Cat. — John Ray. Catalogus Plantarum Angliæ, &c. London. 8vo.
Arabis hirsuta, Erysimum cheiranthoides, Campanula latifolia, Vaccinium Vitis-Idæa, Rumex maritimus.

1677.

Ray Cat. — John Ray. Catalogus Plantarum Angliæ, &c. Ed. 2. London. 8vo.
Prunus Padus, Empetrum nigrum, Listera cordata, Cystopteris fragilis, Lastræa Oreopteris, Lycopodium Selago, L. clavatum.

1686.

Ray Hist. Pl. — John Ray. Historia Plantarum. Vol. I. London. 8vo.
Alchemilla vulgaris.

1688.

Ray Fasc. — John Ray. Fasciculus Stirpium Britannicarum, &c. London. 8vo.
Arenaria verna.

1690.

Ray Syn. — John Ray. Synopsis Methodica Stirpium Britannicarum, &c. London. 8vo.
Polytrichum commune.

1695.

Gibson's Camden. — Edmund Gibson. Camden's Britannia. Lists supplied by John Ray. London. Folio.
Viola tricolor.

1700.

Leigh Nat. Hist. — C. Leigh. The Natural History of Lancashire, Cheshire, and the Peak in Derbyshire. Oxford. Folio.
Rubus Chamaemorus.

1710.

Salmon's Botanologia. — William Salmon, M.D. Botanologia. The English Herbal or History of Plants. London. 2 Vols. Folio.
Potentilla argentea.

1711.

J. Petiver. — James Petiver. An account of divers rare plants recently observed, &c. Philosophical transactions. Vol. XXVII. London. 4to.
Draba muralis.

1713.

J. Petiver. — A. Jacobus Petiver. Graminum, Muscorum, Fungorum, &c. Britannicorum Concordia. Londini.
Rhacomitrium aciculare.

1718.

W. Derham. — William Derham. Philosophical Letters between the late learned Mr. Ray and several ..... correspondents. London. 8vo.

1720.

Magn. Brit. & H. — Magna Britannia et Hibernia, antiqua et nova, or a new survey of Great Britain, &c. London. 6 Vols. 4to. No author given; only English names used.

1724.

Dillenius. — J. J. Dillenius. Ray's Synopsis, &c. 3rd. Ed. London. 12mo.
Valeriana officinalis, Asplenium Ruta-muraria (*Rhacomitrium protensum*).

1729.

Martyn Phil. Trans. — Thomas Martyn. Philosophical Transactions of the Royal Society, No. 407 (Vol. XXXVI., 22-30). London. Jan. 22nd, 1729.
Thalictrum minus, Cardamine hirsuta, Viola lutea var. amoena, Geranium lucidum, Rubus Idaeus, Rosa tomentosa, Lactuca muralis, Schollera Oxycoccos, Erica cinerea, Salix pentandra, Athyrium filix-foemina, Lycopodium alpinum Rhacomitrium lanuginosum.

1763.

T. Martyn. Thomas Martyn. Plantae Cantabrigienses, &c. London. 8vo.
Potentilla Comarum.

1775.

Jenkinson. James Jenkinson. A Generic and Specific description of British Plants translated from the Genera et Species Plantarum of the celebrated Linnaeus. Kendal. 8vo.
Saxifraga hypnoides.

1776.

Withering. W. Withering. A botanical arrangement of British Plants. Birmingham. 8vo.
Cardamine impatiens, Thlaspi alpestre (*Saxifraga hypnoides*).

1778.

Huds. Fl. Ang. William Hudson. Flora Anglica. London. 2 Vols. 8vo.

1787.

Withering. W. Withering. A botanical arrangement, &c. 2nd Ed. 8vo. Birmingham.
Myosurus minimus, Arabis perfoliata, Dianthus deltoides, Silene nutans, Malva moschata, Geranium sanguineum, Rubus saxatilis, Pyrus Aria, Sedum Telephium, Drosera rotundifolia, Myrrhis odorata, Heracleum v. angustifolium, Dipsacus silvestris, Filago minima, Centaurea Cyanus, Polemonium, Atropa Belladonna, Lathraea squamaria, Polygonum Bistorta, Viscum album, Epipactis latifolia, Crocus nudiflorus, Narcissus pseudo-narcissus, Allium vineale, Gagea lutea, Colchicum autumnale, Paris, Alisma ranunculoides, Hordeum silvaticum.

1789.

Gough's Camden. Richard Gough. Camden's Britannia. Enlarged by the latest discovery of R. G. 3 Vols. London.
(*Erysimum cheiranthoides*).

Pilkington. James Pilkington. Derbyshire, being an account of the Geology, Mineralogy, Medicinal Waters, &c. 2 Vols. Derby. 8vo. The author states with regard to the list of plants that "considerable pains have been taken to make this part of the work as accurate as possible." The list comprising 540 Phanerogams and Higher Cryptogams is in the main reliable; there are included in it however a few which are erroneous, and occasionally the same species is recorded more than once under different names; if these are subtracted, as well as the 68 species already mentioned, we have a net list from Pilkington of 458, too lengthy to give here.

1790.

Engl. Bot. — J. E. Smith. English Botany. London. 8vo.
Thuidium recognitum.

Bolton. Fil. Brit. — James Bolton. Filices Britannicæ. Leeds. 4to.
Phegopteris calcarea.

1790—95.

Gisborne. — Marginal Notes in a copy of Hudson's Flora Anglica, 2nd Ed., belonging to the Rev. T. Gisborne of Yoxall Lodge, Staffs., extracted by Prof. C. C. Babington in 1864.
Hutchinsia petraea, Stellaria uliginosa, Sagina nodosa, Antennaria dioica, Spiranthes autumnalis, Ophrys muscifera, Habenaria viridis, H. bifolia, Eriophorum vaginatum.

1792.

Withering. — W. Withering. A botanical arrangement, &c. 2nd Ed. 3rd Vol.
Ophioglossum vulgatum, Eurhynchium Teesdalei.

Linn. Fl. Lapp. — C. Linnaeus. Flora Lapponica, editio altera, etc. 8vo.
(*Galeopsis Tetrahit*, form.)

1793.

Engl. Bot. — J. Sowerby and J. E. Smith. English Botany. Vol. II. London. 8vo.
Vicia silvatica, Geum intermedium.

1794.

Engl. Bot. — James Sowerby. English Botany. Vol. III. London. 8vo.
(*Eurhynchium Teesdalei.*)

1796.

Withering. — W. Withering. Arrangement of British Plants. 3rd Ed. 3 Vols. 8vo.
Corydalis lutea.

1799.

Engl. Bot. — J. Sowerby and J. E. Smith. English Botany. Vol. IX.
Koeleria cristata.

1800.

Hb. Salt. — Jonathan Salt. MS. Flora Sheffieldiensis. June 25, 1800. In the Library of Lit. and Phil. Soc., Sheffield.

1804.

Knapp, Gram. Brit. — J. L. Knapp. Gramina Britannica. London. 4to.
Festuca silvatica, Hordeum silvaticum.

Sm. Flor. Brit. — J. E. Smith. Flora Britannica. Vol. III.
(*Eurhynchium Teesdalei.*)

1805.

Bot. Guide. Dawson Turner and L. W. Dillwyn. The Botanist's Guide through England and Wales. London. 8vo.
Trollius europaeus, *Hesperis matronalis*, *Geranium pyrenaicum*, *Saxifraga aizoides*, *Circæa alpina*, [*Senecio saracenicus*], *Cnicus eriophorus*, *Crepis paludosa*, *Arbutus Uva-ursi*, *Gentiana campestris*, *Galeopsis versicolor*, *Cryptogramme crispa*, *Phegopteris Dryopteris*.

1807—9.

Engl. Bot. J. Sowerby and J. E. Smith. English Botany.
Campylopus flexuosus (1809), *Trichostomum tortuosum* (1807).

1811.

Jewitt. Arthur Jewitt. The history of Buxton and visitors' guide to the curiosities of the Peak. London. 8vo.
Hypericum montanum, *Geranium phœum*, *G. silvaticum*, *G. pusillum*, *Lathyrus montanus*, *Anthriscus Cerefolium*, *Carduus crispus* v. *acanthoides*, *Cnicus heterophyllus*, *Hieracium umbellatum*, *Campanula glomerata*, *Stachys palustris*, *Ceterach*, *Polystichum lobatum* (*P. Lonchitis*), *Polypodium vulgare* v. *cambricum*, *Phegopteris polypodioides*.

1813.

Engl. Bot. J. E. Smith. English Botany. Vol. XXXV.
Jungermannia barbata.

1817.

Lysons' Magn. Brit. D. and S. Lysons. Magna Britannia, being a concise topographical account of the several counties of Great Britain. London. 4to. This work contains a list of plants for Derbyshire, mostly derived from Pilkington.

Purton. T. Purton. A Botanical description of British Plants in the Midland Counties. London. 2 Vols.
Viola hirta.

1821.

Purton. Appendix to the above, bound up with it.
Draba incana, *Melica nutans*.

1824—5.

Sm. Engl. Fl. Sir J. E. Smith. The English Flora. 4 Vols. London. 8vo.
Achillea serrata, *Hieracium britannicum* (*H. murorum* β *seems to be this*), *Taraxacum corniculatum*, *Ornithogalum nutans*, *Lastræa dilatata*.

1827.

Hook. & Tayl. — W. J. Hooker and T. Taylor. Muscologia Britannica. 2nd Ed. London. 8vo.
Leptodontium flexifolium.

1829.

Glover. — R. Glover. History of the County of Derby. Derby. Roy. 8vo. This work contains a long but not very reliable list of plants, many with no locality given, contributed by two ladies, which after deducting errors, double records, and plants previously mentioned, yields a net list of 196 species.

1829—35.

Mag. Nat. Hist. — J. C. Loudon. Magazine of Natural History. London. 8vo.
Tilia cordata, Rumex alpinus.

1833.

Bloxam MS. — Andrew Bloxam. MS. list of plants found in and about Calke.
Carex rostrata, Polystichum aculeatum. A list of 80 mosses, of which a large proportion are new records.

Hook. Br. Fl. — W. J. Hooker. The British Flora. London. 8vo.
Seligeria pusilla, Encalypta streptocarpa, Schistostega osmundacea.

1834.

Engl. Bot. Supplt. — W. J. Hooker. Supplement to English Botany. Vol. II. London. 8vo.
Metzgeria pubescens.

1834—43.

Baxter — William Baxter. British Phænerogamous Botany, or Figures and Descriptions of the Genera of British Flowering Plants. 6 Vols. Oxford. 8vo.
Claytonia alsinoides (1837).

1835.

Watson's N. B. G. — H. C. Watson. The New Botanist's Guide to the localities of the rarer plants of Britain. Vol. I. London. 8vo.
Hippocrepis comosa, Rubus Kœhleri, affinis (R. dasyphyllus), Potentilla verna, Potamogeton zosteræfolius, Scirpus Caricis, Carex disticha, C. axillaris.

Bloxam MS. — Andrew Bloxam. MS.
Mnium undulatum.

1837.

Watson's N. B. G. Suppt.	Supplement to N. B. G. *Lythrum hyssopifolia, Oenanthe Phellandrium, Valerianella eriocarpa, Myosotis collina, Limosella, Lamium maculatum, Narcissus biflorus, Carex divulsa, C. binervis, C. pseudo-cyperus.*
An. Brit. F.	Geo. W. Francis. An Analysis of British Ferns and their allies. London. 8vo. *Lastræa spinulosa.*

1840.

Gem of the Peak.	W. Adams. The Gem of the Peak, or Matlock Bath and its vicinity. London. 8vo. (*Thuidium recognitum*), *Hylocomium splendens, Frullania dilatata, Radula complanata, Kantia trichomanis, Scapania resupinata, Pellia epiphylla.*

1842.

Ann. Mag. Nat. Hist.	W. Jardin. Annals and Magazine of Natural History. London. 8vo. *Cephalozia stellulifera.*

1844.

Syn. Hep.	Gottsche, Lindenberg, and Nees. Synopsis Hepaticarum. Hamburghi. 8vo. *Pedinophyllum interruptum.*
Garner.	F. Garner. The Natural History of Staffordshire. London. 8vo. *Lotus tenuis, Saxifraga umbrosa, Fissidens adiantoides, Rhacomitrium fasciculare, R. canescens, Ptychomitrium polyphyllum, Tortula lævipila, Barbula rigidula, Splachnum sphæricum, Breutelia arcuata, Eurhynchium tenellum, Hypnum stellatum? Hylocomium rugosum, Frullania Tamarisci, Scapania undulata.*
Phyt.	George Luxford. The Phytologist. Vol. I., 191. London. 8vo. (*Cephalozia stellulifera.*)

1845.

Gem of the Peak.	W. Adams. The Gem of the Peak, or Matlock Bath and its vicinity. 4th Ed. London. 8vo. *Quercus sessiliflora, Salix vitellina, Cystopteris fragilis* v. *dentata, Polystichum angulare.*
Spruce.	R. Spruce. The London Journal of Botany. No. 40. *Orthotrichum Sprucei, O. tenellum, Mnium stellare.*

1847.

Whittaker, Phyt. — Joseph Whittaker. The Phytologist. II. 901—3.
Fumaria capreolata, *Cochlearia Armoracia*, *Iberis amara*, *Epilobium tetragonum*, *Gnaphalium silvaticum*, *Picris echioides*, *Linaria repens*, *Veronica polita*.

1847—51.

Watson, Cyb. Brit. — H. C. Watson. Cybele Britannica. Vols. I—II. London. 8vo.
Taraxacum palustre, *Epipactis media*.

1849.

Buxton's B. G. — Richard Buxton. Botanical Guide to plants within sixteen miles of Manchester. London. (Printed at Manchester). 12mo.
(*Polystichum aculeatum*), (*Cinclidotus fontinaloides*) *Bryum pseudotriquetrum*, *Mnium rostratum*, *Hypnum palustre*.

1851.

Gem of the Peak. — Thomas Adams. Gem of the Peak. 5th Ed.
Drosera longifolia.

1852.

Watson's Cyb. Brit. — H. C. Watson. Cybele Britannica. Vol. III. Additional Species and Further Additional Notes.
Hypericum elodes (confirming Glover's record), *Rubus plicatus*, *R. Lindleianus*, *R. pulcherrimus*, *R. Selmeri*, *R. rusticanus*, *R. pubescens*, *R. macrophyllus*, *R. Sprengelii*, *R. leucostachys*, *R. Radula*, *R. echinatus*, *R. corylifolius*, *R. nemorosus*.

1854.

Buxton Guide. — W. H. Robertson, M.D. A Handbook to the Peak of Derbyshire, &c., or Buxton in 1854, with Map, &c. London.
Linum perenne, *Ribes nigrum*, *Crepis biennis*.

Newman Brit. F. — Edward Newman. A History of British Ferns. London. 8vo.

1854—70.

Smith MSS. — G. E. Smith. MS. notes of the plants observed growing wild, or recorded on credible authority, in the neighbourhood [10 miles range] of Osmaston-by-Ashbourne. Now at University College, Nottingham.
Rosa micrantha, *Galium tricorne*, *Habenaria chloroleuca*, *Carex teretiuscula*, *C. muricata*, *C. acuta*, *Apera Spica-venti*, *Catabrosa aquatica*.

1855.

Johnson & Sowerby. Charles Johnson. J. E. Sowerby. The Ferns of Great Britain. London. 8vo.
Lastræa Filix-mas, v. *abbreviata*.

Wilson. W. Wilson. Bryologia Britannica. London. 8vo.
Ditrichum tenuifolium, *D. flexicaule*, *Grimmia Doniana*, *Pottia bryoides*, *Encalypta vulg.*, vars. *obtusifolia* and *pilifera*, *Funaria calcarea*, *Neckera pumila*, *Pylaisia polyantha*, *Eurhynchium crassinervium*, *Amblystegium fluviatile*, *A. Vallisclausæ*, *Hylocomium brevirostre*.

1858.

Phyt. N. S. A. Irvine. The Phytologist. New Series. pp. 482 and 611.
Galium insubricum, *G. anglicum*, *Valerianella carinata*, *Scrophularia umbrosa*, *Sphagnum fimbriatum*.

1850—64.

Purchas. MS. list of mosses collected by Rev. W. H. Purchas and given to the Author. Twenty-five species are first records.

1860.

Watson, Cyb. Brit. Suppt. H. C. Watson. Supplement to Cybele Britannica. Part I. London. 8vo.

Garner. R. Garner. Supplement to the Natural History of Staffordshire. London. 8vo.
Arenaria tenuifolia.

1861.

Phyt. N. S. The Phytologist. New Series.

1863.

N. H. Tutb. Sir Oswald Mosley, Bart. The Natural History of Tutbury. Together with the Fauna and Flora of the District surrounding Tutbury and Burton-on-Trent. By Edwin Brown. With an Appendix. London. Imp. 8vo.
Ranunculus circinatus, *Eranthis hyemalis*, *Aconitum Napellus*, *Barbaræa præcox*, *Diplotaxis muralis*, *Viola ericetorum*, *Silene noctiflora*, *Rubus rosaceus* v. *infecundus*, *R. foliosus*, *Oenanthe fluviatilis*, *Peucedanum sativum*, *Valeriana sambucifolia*, *Calamintha officinalis*, *Stachys ambigua*, *Polygonum minus*, *Ceratophyllum demersum*, *Iris fœtidissima*, *Juncus obtusiflorus*, *Lemna polyrrhiza*, *Potamogeton prælongus*, *P. pusillus*, *P. flabellatus*, *Carex pilulifera*, *Festuca arundinacea*, *Brachypodium gracile*, *Nitella opaca*.
20 Mosses, some being new records, and 7 hepatics, all of them records.

J. B. — Berthold Seemann. The Journal of Botany. London. 8vo.
Rubus Bloxamianus.

1864—66.

Engl. Bot. — J. T. Boswell-Syme. English Botany. 3rd Ed. 11 Vols. London. Royal 8vo.
Pyrus rupicola (1864), *Galium nitidulum* (1865), *Arctium nemorosum* (1866), *Hieracium Pilosella* v. *pilosissimum* (1866).

1864.

Crewe & Whittaker. — H. Harpur Crewe and Joseph Whittaker. MS. List of the principal flowering plants and ferns of Derbyshire, more especially in the immediate vicinity of Derby. Nov. 22nd.
Thlaspi arvense, Trigonella, Trifolium hybridum, Apium inundatum, Valerianella rimosa, Arctium majus, Crepis taraxacifolia, Orobanche minor, Castanea sativa, Elodea, Eriophorum latifolium, Phalaris canariensis, Equisetum maximum.

Stevens. — Mrs. T. M. Stevens. MS. List of Matlock Plants.
Fragaria elatior, Samolus Valerandi.

1865.

Purchas Cat. — W. H. Purchas. MS. Catalogue of plants in South Derbyshire and adjoining parts of Leicestershire.

1866.

Wild Fl. Rept. — Flora Repandunensis. The Wild Flowers of Repton. London. 8vo.
Vicia angustifolia, Oenanthe crocata, Lamium hybridum.

1869.

Bab. Brit. Rub. — C. C. Babington, M.A., F.R.S. The British Rubi; an attempt to discriminate the species of rubus known to inhabit the British Isles. London. 12mo.
R. macrophyllus v. *amplificatus*, *R. Babingtonii* (*scaber*).

1870—1.

J. B. — R. Braithwaite. Journal of Botany.
Seligeria acutifolia, v. *longiseta* (1870), *Barbula recurvifolia* (1871).

1871—81.

Smith MSS. — G. E. Smith. MS. notes of plants observed in Derbyshire, in the neighbourhood of Ockbrook. Now at University College, Nottingham.
Tilia grandifolia, Anagallis cærulea, Eleocharis acicularis, E. multicaulis.

1873.

Top. Bot. — H. C. Watson. Topographical Botany. Part First. Thames Ditton. Printed for private circulation only. 8vo.
Polygonum lapathifolium, *Rumex conglomeratus*, *Polygonatum officinale*.

Holmes, Grevillea. — E. M. Holmes. Grevillea, ii., 169.
Tortula brevirostris.

1874

Top. Bot. — H. C. Watson. The above. Part Second.
Impatiens Noli-me-tangere, *Rubus thyrsoideus*, *Habenaria bifolia* (segregate), *Zannichellia palustris*.

Bab. Man. — C. C. Babington. Manual of British Botany. 7th Ed. London. 8vo.
(*Epipactis media*.)

1876.

B. L. Rec. — Report of the Botanical Locality Record Club for 1875. London.
Carex speirostachya.

Schimp. Syn. — W. Ph. Schimper. Synopsis Muscorum europæorum. 2nd Ed. Stuttgartiæ. 8vo.
Seligeria tristicha.

1878

B. E. C. Rep. — The Report of the Botanical Exchange Club for 1876. London
Ranunculus penicillatus, *Callitriche verna* (segregate).

1879.

B. L. Rec. — Report of the Botanical Locality Record Club for 1878. Manchester.
Myosotis repens.

Manch. Crypt. Soc. — Report of the Manchester Cryptogamic Society. Manchester. 8vo.
Cynodontium Bruntoni, *Fissidens pusillus*, *Barbula vinealis*, *Plagiobryum Zierii*, *Orthothecium intricatum*, *Eurhynchium pumilum*, *Blepharozia ciliaris*, *Bazzania trilobata*.

1880.

B. L. Rec. — The same for 1879, p. 74.
Carex flacca v. *stictocarpa* ?

Manch. Crypt. Soc. — Report of the Manchester Cryptogamic Society.
(*Seligeria tristicha*), *Scapania umbrosa*, *Jungermannia lurida*.

The Naturalist. C. P. Hobkirk and G. T. Porritt. The Naturalist. Huddersfield. 8vo.
Pleurochæte squarrosa.

1881.

Rept. F. & F. William Garneys. Contributions to the Flora and Fauna of Repton and Neighbourhood. London. 12mo.
Ranunculus Drouettii, Hypericum calycinum, Linum angustifolium, Cuscuta trifolii, Mimulus luteus, Salix fragilis, S. purpurea, Lemna gibba.

B. L. Rec. Report of the Botanical Locality Record Club for 1880. London.
Ranunculus peltatus, Rosa involuta, Callitriche hamulata.

Manch. Crypt. Soc. The Manchester Cryptogamic Society.
Seligeria Doniana, Weissa calcarea.

The Naturalist. C. P. Hobkirk and G. T. Porritt. The Naturalist.
Zygodon viridissimus v. *rupestris.*

Painter, J. B. W. H. Painter. Notes on the Flora of Derbyshire. Journal of Botany. London. 8vo.
Ranunculus peltatus, and v. *floribundus*, *R. Lenormandi*, *Papaver dubium* v. *Lamottei*, *Polygala oxyptera*, *Sagina ciliata*, *Trifolium filiforme*, *Potentilla procumbens*, *Agrimonia odorata*. (*Hieracium britannicum* (*H. cæsium*)), *Sonchus asper*, *Veronica Tournefortii*, *Salix rubra*, *Populus canescens.*

1881—1902.

Braithw. R. Braithwaite, M.D. The British Moss-Flora. London. Roy. 8vo. Parts I. to XXI., which are all that are issued up to date, furnish first records of 22 species and 11 varieties of mosses.

The Naturalist. C. P. Hobkirk and G. T. Porritt. The Naturalist.
Jungermannia minuta, Preissia commutata.

1883.

Top. Bot. H. C. Watson. Topographical Botany. 2nd Ed., corrected and enlarged. London. 8vo.
Ranunculus pseudofluitans, Rubus scaber, R. hystrix, R. fuscoater, (*Habenaria eu-bifolia*), *Luzula erecta.*

The Naturalist. (*Pedinophyllum interruptum.*)

1884.

Baker, J. B. J. G. Baker, F.R.S. On the Upland Botany of Derbyshire. Journal of Botany. London. 8vo.
Polygala serpyllacea, Rubus rhamnifolius, R. tuberculatus, Rosa glauca, Salix triandra, Juniperus communis, Glyceria plicata.

West, J. B.	W. West. On the Upland Botany of Derbyshire. Journal of Botany. London. 8vo. *Lonicera Xylosteum.*
B. & N., J.B.	J. G. Baker, F.R.S. W. W. Newbould, M.A., F.L.S. Notes on the Flora of Matlock. Ib. *Rubus dumetorum*, varr. *ferox* and *concinnus*, *R. corylifolius*, varr. *sublustris* and *cyclophyllus*, *Potamogeton polygonifolius.*
The Naturalist.	*Lejeunia calcarea*, *Scapania irrigua.*
Haussknecht.	C. Haussknecht. Monographie der Gattung Epilobium. Jena. *Epilobium persicinum.*
Groves, J. B.	H. and J. Groves. Notes on British Characeæ. Journal of Botany. London. 8vo. *Chara vulgaris* v. *longebracteata.*
	1884—6.
B. L. Rec.	Report of the Botanical Locality Record Club. London. *Ranunculus trichophyllus* (see *J.B.*, 1889); *Mentha gentilis*, *Betula pubescens*, *Chara fragilis.*
	1885.
Nat. Hist. Journ.	J. E. Clark. Natural History Journal. (*Ophioglossum.*)
Chest. S. N. Sc.	Proceedings of the Chester Society of Natural Science. (*Anacharis.*)
Rogers, J. B.	W. Moyle Rogers, F.L.S. Notes on the Flora of Buxton. Journal of Botany. *Rubus incurvatus*, *Saxifraga hirta* (*sponhemica*).
Purchas, J. B.	W. H. Purchas. Some more notes on Dovedale Plants. Journal of Botany. *Stellaria umbrosa*, *Rubus fissus*, *R. carpinifolius* (*ramosus*), *R. diversifolius.*
The Naturalist.	*Tortula princeps.*
Groves, J. B.	H. and J. Groves. Journal of Botany. *Chara vulgaris* v. *crassicaulis.*
	1886.
Holt, J. B.	G. A. Holt. Journal of Botany. *Thamnium angustifolium.*
Manch. Crypt. Soc.	The Manchester Cryptogamic Society. *Barbula Hornschuchiana.*
The Naturalist.	John Whitehead. The Mosses of Ashton-under-Lyne district. The Naturalist. London. 8vo. A long list of Mosses of which four are first records.

1887.

Purchas, J. B.	W. H. Purchas. A list of plants observed in South Derbyshire. Journal of Botany. *Viola silvestris* (*Reichenbachiana*), *Rubus calvatus*, *Callitriche obtusangula*, *Potamogeton alpinus*.
Watson B. E. C. Rep.	Report of the Watson Botanical Exchange Club for 1886—7. York. 8vo.
The Naturalist.	*Brachyodus trichodes*, *Grimmia trichophylla*, *Bartramia Oederi*, *Jungermannia pumila*, *Nardia hyalina*.

1888.

Fl. Ashton.	The District Flora, as compiled by the Ashton-under-Lyne Botanical Society, including a list of the Mosses of the District, by Mr. J. Whitehead of Oldham. To this is added the Hepaticæ of the District round Manchester arranged by Mr. G. A. Holt of Manchester. Ashton-under-Lyne. 12mo. *Sphagnum quinquefarium*, *Bryum filiforme*, *Hypnum intermedium*, and 31 Hepatics.
B. E. C. Rep.	The Botanical Exchange Club Report for 1887. Manchester. *Rubus durescens*, *R. gratus*, *R. mucronatus*, *R. anglo-saxonicus*, *Salix caprea-viminalis* (*rugosa*).
J. B.	W. R. Linton. South Derbyshire Plants. Journal of Botany. *Rosa mollis*, v. *cærulea*, *Sonchus arvensis*, v. *glabrescens*, *Iris acoriformis*, *Juncus supinus*, v. *Kochii*, *Carex paludosa* v. *Kochiana*.

1889.

Painter, J. B.	W. H. Painter. Additional Notes on the Flora of Derbyshire. Journal of Botany. (*Fumaria pallidiflora*), *Hieracium rubiginosum*, *Wahlenbergia hederacea*, *Pyrola minor*.
Pearson, J. B.	W. H. Pearson. Journal of Botany, 353. *Lejeunia Rossettiana*.
C. D.	W. H. Painter. A contribution to the Flora of Derbyshire, being an account of the Flowering Plants, Ferns, and Characeæ found in the County. London. 8vo. *Ranunculus heterophyllus*, *R. Baudotii*, *Barbaræa intermedia* (App.), *Viola arvensis*, [*Myriophyllum alterniflorum*], (*Eleocharis acicularis*).
Watson B. E. C. Rep.	Watson Botanical Exchange Club Report for 1888—9.
Trent C. M.	Trent College Magazine.
The Naturalist.	*Physcomitrium patens*.

1890.

B. E. C. Rep. — The Botanical Exchange Club Report for 1889. Manchester.
(*Hieracium britannicum.*)

J. B. — W. R. Linton. The Journal of Botany.
Hieracium holophyllum.

1891.

B. E. C. Rep. — The Botanical Exchange Club Report for 1890. Manchester.
Rubus Rogersii (*R. opacus*), *R. rudis*, *R. fuscus*, *Hieracium sciaphilum.*

1893.

B. E. C. Rep. — The Botanical Exchange Club Report for 1892. Manchester.

1894.

Watson B. E. C. Rep. — The Watson Botanical Exchange Club Report.

N. D. M. — John Whitehead. North Derbyshire Mosses. Journal of Botany, pp. 193—201. Reprinted as pamphlet (in 1894) with a few corrections and additions.
A list containing 273 species and 49 varieties. In a letter to the Author in 1895 Mr. Whitehead corrected the entry *H. Sendtneri*, to be deleted as erroneous, and added *H. cordifolium*. The list contains 32 new records.

1895.

Rogers, J. B. — W. Moyle Rogers, F.L.S. Journal of Botany.
R. rhamnifolius, *R. Lindebergii*, *R. rhombifolius*, *R. Schlechtendalii*, *R. pyramidalis*, *R. rosaceus*, *R. Roehleri*, (*R. saxicolus*) ? *R. dumetorum* v. *fasciculatus*, *R. Balfourianus.*

The Naturalist. — T. Gibbs and E. Snelgrove, B.A. The Naturalist. London.
(*Rubus macrophyllus.*)

1896.

Tr. Burton. — Transactions of the Natural History and Archæological Society, Burton-on-Trent.
Ranunculus trichophyllus.

Holt MS. — G. A. Holt. MS. list of hepatics of Derbyshire. Contains first records of 17 species and one variety.

1897.

Townsend, J. B. — Frederick Townsend. Journal of Botany. London.
Euphrasia nemorora × *Rostkoviana*, *E. Rostkoviana*, *E. campestris*, *E. Kerneri.*

1898.

Derbyshire Naturalist.	The Derbyshire Naturalists' Quarterly. Alfreton. Imp. 8vo. *Hypnum chrysophyllum*, v. *erectum*.
Ley MS.	MS. list of Mosses contributed by Rev. A. Ley. *Diphyscium foliosum*, *Tortula lamellata*, *Bryum murale*, *Eurhynchium circinatum*.

1899.

B. E. C. Rep.	The Botanical Exchange Club Report for 1898. Manchester. *Epipactis atrorubens*, *Festuca pratensis* × *Lolium perenne*.
M. E. C. Rep.	The Report of the Moss Exchange Club. Stroud. *Fontinalis Dixoni*.
Painter, Nat.	W. H. Painter. Supplement to the Flora of Derbyshire. The Naturalist. London. 8vo. *Medicago denticulata*, *Poterium polygamum*, *Sparganium microcarpum*.
Pearson.	W. H. Pearson. The Hepaticæ of the British Isles. London. Royal 8vo. 1899—1902. *Scapania æquiloba* (1900).
J. B. & Dixon, J. B.	The Journal of Botany. *Hieracium strictum* v. *subcrocatum*; *Weissa crispata*.

1900.

Dixon, J. B.	H. N. Dixon. Journal of Botany. *Amblystegium compactum*.
Gibbs. Nat.	Thomas Gibbs. The Naturalist. Varieties of *Taraxacum*.
Flora of Bournemouth.	E. F. Linton, M.A. Flora of Bournemouth. Bournemouth. 8vo. *Orchis ericetorum* described.
Rogers Brit. Rub.	W. Moyle Rogers. Handbook of British Rubi. London. 8vo. *Rubus dumnoniensis*, *R. pallidus*, *R. rosaceus* v. *Purchasianus*, *R. Marshalli*, *R. viridis* f. (?), *R. hirtus*.
B. E. C. Rep.	The Report of the Botanical Exchange Club for 1899. Manchester. *Rubus calvatus* f. *calvula*, *Cratægus oxyacantha* v. *laciniata*.
Watson B. E. C. Rep.	The Report of the Watson Botanical Exchange Club. Birmingham. *Potamogetum crispus* × *Friesii*.

M. E. C. Rep.	Moss Exchange Club Report. *Amblystegium Sprucei*, *Jungermannia cordifolia*, *Aneura pinguis*, *Targionia hypophylla*.
Horrell, J. B.	E. C. Horrell, F.L.S. Journal of Botany. *Sphagnum turfaceum*.
	1901.
B. E. C. Rep.	Report of the Botanical Exchange Club for 1900. *Sagina apetala* v. *glabra*, *Rubus erythrinus*, *Euphrasia curta*, *Potamogeton crispus* × *perfoliatus*, *Carex vulpina* v. *nemorosa*, *Alopecurus fulvus*.
Painter, Nat.	W. H. Painter. The Naturalist. *Bryum bimum*.
M. E. C. Rep.	Moss Exchange Club Report. *Scapania aspera*.
	1902.
M. E. C. Rep.	Moss Exchange Club Report. *Kantia Sprengelii*.

HERBARIA

QUOTED IN THE FLORA.

Hb. Bailey.	The Herbarium of Mr. C. Bailey, Manchester.
Hb. Bicheno.	Collection of J. E. Bicheno, at Swansea. (Published in the Naturalist, Nov., 1902.)
Hb. Carr.	Prof. J. W. Carr's Herbarium, Nottingham.
Hb. Holt.	Mr. G. A. Holt's Collection of Hepatics.
Hb. Leic. Museum.	The Herbarium at the Museum, Leicester.
Hb. Mason.	Mr. P. B. Mason's Collection, Burton-on-Trent.
Hb. Salt.	Jonathan Salt's Collection, Sheffield Museum.
Hb. Syme.	The Herbarium of Mr. J. T. Boswell, in possession of F. J. Hanbury, Esq., London.
Hb. Whitehead.	Mr. J. Whitehead's Collection of Carices, Mosses and Hepatics, in possession of Prof. T. Barker, Buxton.

ABBREVIATIONS AND SIGNS.

A.	Annual.
B.	Biennial.
Cat.	Catalogue.
ed.	Edition.
F. f.	Form.
f.	fide, in the belief of.
l.c.	loco citato, quoted above.
MS.	Manuscript.
P.	Perennial.
p.p.	Partly.
S.	Shrub.
sp.	Specimen.
sub. nom.	Under the name of.
T.	Tree.
t.	Teste, attested by.
*	More or less recently introduced, alien, casual.
!	Seen by the Author in situ or as dried specimens.
( )	After a variety means that the Author so enclosed regarded it as a species.
[ ]	Errors, extinctions, or very doubtful plants are thus enclosed.

PHANEROGAMIA.

A. ANGIOSPERMÆ.

1. DICOTYLEDONES.

RANUNCULACEÆ.

CLEMATIS *L.*

C. Vitalba *L.* *Traveller's Joy.* *Old Man's Beard.*

Denizen. EG. Waste and bushy places. Rare. S. July-Sept.

First record, *Glover*, 1829.

L. Matlock Bath, on limestone walls, *Milnes*, *C.D.* Heights of Abraham, *Drabble.*

G2. Wingfield Manor; Shottle Gate, introduced in both localities? *Gibbs.*

T1. Churchyard, Mugginton, *Feilden.*

T3. Ticknall Quarry, *Rept. F. & F.*

Almost certainly not native in all the above localities.

THALICTRUM *L.*

T. collinum *Wallr.* Top. Bot., *T. minus*, "Howitt Cat.," and *T. montanum*, "Syme herb." *T. flexuosum* Rchb. *T. minus* v. *montanum*, Syme.

Native. SB. Dales and rocky slopes on limestone. Rare. P. July-Aug.

First record, *Martyn Phil. Trans. XXXVI.*, 1729.

L. The Winnats, Peveril Castle, and Cave Dale, Castleton, *West*, *J.B.* Monsal Dale; Cressbrook Dale, *Painter*, *J.B.* Priestcliffe Lees, near Miller's Dale, *C.D.* Middleton Dale, *Mag. Nat. Hist.*

T. flavum *L.* *Meadow Rue.* Top. Bot., "Howitt Cat"

Native. E. Stream sides, osier beds, moist places. Local. P. June-Aug.

First record, *Pilkington*, 1789.

L. Monk's Dale, Wormhill, *West*, *J.B.* Castleton, *Searle*, *C.D.* Rocks near Lover's Leap, Buxton (900 ft.), *Levinge.*

G2. Banks of R. Derwent near Duffield Church, *Pilkington.*

C. The Hague, Renishaw, "Morisonii?" *Waterfall.* Alfreton Brook, *Coke in Pilkington.*

P. Pleasley Brook, *Coke in Pilkington.*

T2. Thrumpton, *Hassé, C.D.* Banks of R. Derwent near Breadsall, *Whittaker, Phyt.* R. Derwent below Derby, *Pilkington.*

T3. Near Swarkston Bridge, *Bloxam.* Bull's osier-bed, Repton, *Hagger, C.D.* Burton-on-Trent, *Painter, J.B.* Anchor Church, *Harris, C. D.*

ANEMONE *L.*

A. nemorosa *L.* *Wood Anemone.*

Native. B. Woods, hedge banks, field borders. Common. P. April-May.

First record, *Pilkington*, 1789.

General throughout the County. Frequently with purple flowers in Districts T1 and T3.

***Adonis autumnalis** *L.* *Pheasant's Eye.*

Alien. G. Top. Bot. [57].

"In the fields, but not very common," *Johnson in Pilkington*, 1789.

A garden weed at Spital, Chesterfield, *Drabble.*

MYOSURUS *L.*

M. minimus *L.* *Mousetail.*

Native. GE. Arable land. Rare and local. A. May-June.

First record, *Withering*, 1787.

G2. Darley Dale, *Rowland, C.D.*

T1 or 2. Cornfields, near Derby, *Bot. Guide.*

T3. Drakelow and Stapenhill, *Hb. Mason!*

RANUNCULUS *L.*

R. circinatus *Sibth.*

Native. EG. Ponds and slow streams. Abundant locally. P. July-Aug.

First record, *Nat. Hist. Tutb.*, 1863.

L. Matlock Bath, *Bailey, C.D.*

G2. Canal near Cromford, *Bailey, B. L. Rec.*, 1884-6, 85.

C. Spinkhill, near Chesterfield; plentiful at Quarry Dam, Park Hall Woods, near Renishaw, *Waterfall.* Canal near Kirk Hallam.

P. Whaley Mill, Bolsover.

T1. Ponds between Shirley and Osmaston; Barton Fields.

T2. Between Stanton-by-Dale and Dale Abbey, *Painter, Natt.* Ditch near Long Eaton between the Erewash and the Trent.

T3. Small pond or reservoir at the upper end of Dimminsdale, Calke; ornamental water in Melbourne Gardens, *Purchas, J.B.* Bretby Ponds, *Gibbs.* Milton, *Hb. Mason!* R. Trent, and brook near Bull's Farm, Repton, *Rept. F. & F.*

R. fluitans *Lam.* Top. Bot. "Bab. Herb."

Native. E. Rivers and streams. Frequent. P. July-Sept.

First record, *Pilkington*, 1789. *R. aquatilis.*

L. Lathkil Dale, "*R. Bachii* Wirtg.," *The Naturalist.* The same variety in the Dove, Dovedale, *Nowers.* Bradwell, *Painter*, *Nat*^{t}.

G2. R. Derwent, Whatstandwell, *Bailey*, *C.D.* R. Derwent, Ecclesbourne and Duffield, *Glover.* Hillcliff Lane, between Idridgehay and Shottle.

C. South Normanton Common, *Pilkington.*

T1. Markeaton Brook, *Pilkington!* Brailsford Brook, *B.E.C. Repp.* 1888, 109, and 1893, 398. Between Chellaston and Swarkeston, *Painter*, *Nat*^{t}. Barton Blount and Barton Fields; R. Dove at Tutbury.

T2. R. Derwent at Breadsall, *Crewe & Whittaker.* Canals below Osmaston, and near Chaddesden and Spondon; Trent Lock.

T3. About Burton-on-Trent, *Harris*, *C.D.* R. Trent, Repton; Willington, *Rept F. & F.* Canal at Egginton, *Gibbs.* Brook N.E. of Swarkeston.

This plant has frequently a hairy receptacle, which tends to become glabrescent with age.

R. pseudofluitans *Hiern.* *R. pseudofluitans* Bab. p.p.

Native. Rivers. Not common. P. June-July.

First record, *Top. Bot.*, 1883, *Hiern* (*R. penicillatus*); also *Journ. Bot.*, 1884, 334.

L. Near Haddon, *Barrow.* R. Lathkil; R. Bradford; Dovedale, *Purchas.*

C. R. Rother, *C.D. App.* R. Doe Lea, near Renishaw, *Waterfall.*

R. trichophyllus *Chaix.*

Native. E. Ponds. Not common. P. May-Aug.

First records, *B.L. Rec.*, 1884-6; *J.B.*, 1889, 178.

L. Via Gellia, *J.B.*, 1889. Monk's Dale; pond between Great Rocks Dale and Fairfield Common.

C. Millpond, N.E. of Fritchley; ditch at Ault Hucknall.

P. By Nether Langwith.

T1. Marshy ground by the railway below Findern.

T2. Pond close to the canal below Chellaston; near Sawley, in a backwater west of the village.

T3. Bretby, *Gibbs.* Brizlincote, *Nowers in Tr. Burton.* Brook above Egginton.

R. Drouettii *Godr.*

Native. E. Ponds and streams. Rather rare. P. May-July.

First record, *Rept. F. & F.*, 1881.

L. Ponds in the Via Gellia, *Purchas.* R. Wye at Ashford.

T1. Mickleover, *Bindley.*

T2. Near Long Eaton, by the footway to the Trent and Erewash Junction.

T3. Tramway at Ticknall (t. Syme), *Purchas*, *J.B.* Twyford Brook, *Rept. F. & F.*

R. heterophyllus *Web.*

Native. Streams. Rare. P. May-Aug.

First record, *C.D.*, 1889.

T1. Mickleover; Mackworth, *Bindley.*

T2. Litchurch, Derby; Morley, *C.D.*

R. p eltatus *Schran.*

Native. B. Ponds and ditches. Not uncommon. P. May-Aug.

First record, *Painter, J.B.*, 1881.

L. Monyash, *Painter, J.B.* Between Grange Mill and Long Cliff, *Bailey, C.D.* Pools on the limestone plateau between the Dove and the Wye, *Purchas, J.B.*

G1. Chapel Reservoir.

G2. Chatsworth, *Baker, J.B.* Baslow, *Painter, J.B.* Shallow edge of Mill-dam, R. Amber, Ashover, *Bailey, B.L. Rec.* 1881, 202 (approaching *R. floribundus. B.E.C. Rep.*, 1882, 64).

C. By Beauchief Abbey; in a large pool, about a mile east of Killamarsh.

T1. Mickleover, *Bindley.*

T2. Old bed of the Derwent, Litchurch, Derby, *Painter, J.B.*

T3. Repton, *Mason in Tr. Burton.* Twyford, *Nowers.*

Var. *floribundus* (Bab.).

L. Pit near Grange Mill, and roadside near Aldwark Grange, *Bailey, B.L. Rec.*, 1884-6, 85. Near Arbor Low, *Purchas.*

G2. Farley Paddocks, Baslow, *Painter, J.B.*

C. West Hallam; Great Pond, Wingerworth; Shirland; Tibshelf; Sutton Scarsdale; Hardwick.

P. Pebley Pond, Barlborough.

T1. Mickleover, *Bindley.* Upper Pond, Osmaston-by-Ashbourne; marsh, Yeldersley Lane; pond at Wyaston, towards Rodsley; between Cubley and Marston Montgomery; Hilton Common.

T2. Ponds at Boulton, *Painter, J.B.* Near Trent Station; Long Eaton; Sawley.

T3. Pools at Ticknall, and at the Dimminsdale Lime Yard, Calke (t. Syme), *Purchas, J.B.* Twyford; Repton, *Hb. Mason!*

Var. *penicillatus* (Hiern).

B.E.C. Rep. for 1876, 1878.

L. Lathkil Dale, *Bailey in B.E.C. Rep.*, 1876. Monsal Dale, *Bailey, C.D.* Very abundant in the Wye in Ashwood Dale and Miller's Dale up to 300 yards, *Baker, J.B.*

G2. In a large pool at Calver.

R. Baudotii *Godr.*

Native. *EB.* Pools. Rare. P. June-Aug.

First record, *C.D.*, 1889.

L. Monk's Dale, Wormhill (*t. J. Groves*), *Searle, C.D.*

R. Lenormandi *F. Schultz.*

Native. E. Wet places, ditches, etc., especially on moorland. Locally abundant. P. April-Aug.

First record, *Painter, J.B.*, 1881.

G1. Axe Edge, in two places very near the top, over 550 yards; in the hollow west of Buxton, *Rogers, B.L. Rec.* 1884-6, *and J.B.* Kinder Scout; Combes Moss, *Painter, J.B.* Win Hill, *Gibbs.* Reaps, near Crowden; west of Combes Tor, near Charlesworth; Wild Moor, R. Goyt; Chinley; near Ashopton Inn and Snake Inn; Woodseats, Castleton; Rushup Edge; Hood Brook, Hathersage; R. Westend.

G2. Wirksworth, *Gibbs.* Abney Clough; Froggatt; Otterdale, below Shatton Moor; Chatsworth; Baslow.

C. Wadshelf, towards Upper Loads.

T1. Mickleover, *Painter, Nat*^{t}. Hulland Moss; wet place by Bradley Brook.

T3. "It occurred in very small quantity in a roadside ditch between Calke and Melbourne, evidently as a remnant of the ancient vegetation of Melbourne Common, but disappeared after a season or two," *Purchas, J.B.*

R. hederaceus *L. Ivy-leaved Crowfoot.*

Native. B. Wet places, margins of streams and ponds. Local. P. May-Aug.

First record, *Pilkington*, 1789.

L. Matlock Bath; Bonsall, *Rowland, C.D.* Buxton, *Rogers, J.B.* Bradwell. *Painter, Nat*^{t}. Wardlow Mires; Bradford.

G1. Snake Inn, *The Naturalist.* Swamps to 500 yards, *Baker, J.B.* Dinting; Combes Moss; Lydgate, Eccles Pike.

G2. Dore Moor, *The Naturalist.* Ashover, *Bailey, C.D.* Near Robin Hood's Stride, Birchover, *Carr, C.D.* Wirksworth, *Gibbs.* Bamford; Abney Clough; Otterdale, below Shatton Moor; Great Hucklow; Brough; slope east of Bradwell; Edensor.

C. Sutton Scarsdale; Brackenfield Green. South Normanton Common. *Pilkington.*

T1. Hilton, *Hassé, C.D.* By the side of the London Road, Derby; and near Mr. Bennet's, Mackworth, *Pilkington.* Mickleover, *Painter, Nat*^{t}. Shirley; Mugginton; Aston, near Sudbury; Hatton; Bradley Brook; Ladyhole, Ashbourne.

T2. Breadsall, *Whittaker, J.B.* Dale, *Hassé, C.D.*

T3. Milton, Repton; Repton Rocks; near Burton-on-Trent, *Painter, J.B.* Tramway near Ticknall, *Purchas, J.B.* Foremark Park, *Wild Fl. Rept.*

R. sceleratus *L. Celery-leaved Crowfoot.*

Native. B. Ditches and wet places. Local. A. June-Sept.

First record, *Glover*, 1829.

C. Between Norton and Heeley, *The Naturalist.* Canal side, Staveley, *Drabble.* Near Codnor Castle.

P. Whaley Mill, Bolsover.

T1. Mickleover, *Painter*, *Nat*[t]. Church Broughton; Sudbury; Hatton; Radbourn; marshes by the canal below Findern.

T2. Morley and Breadsall, *Whittaker*, *Phyt.* By Borrowash Railway Station, *Painter*, *J.B.* Near Shacklecross, *Hassé*, *C.D.* Trent Lock; by the Canal, Sandiacre.

T3. Ticknall, *Purchas*, *J.B.* Repton, *Wild Fl. Rept.* Drakelow, *Hb. Mason!* Linton, *N.H. Tutb.* Common about Burton-on-Trent, *Painter*, *J.B.* Willington; Bretby Park; Winshill; Croxall, *Gibbs.*

R. Flammula *L.* *Lesser Spearwort.*

Native. B. Wet places, bogs, heaths. Frequent. P. June-Sept.

First record, *Pilkington*, 1789.

Generally distributed throughout the County; varying very much according to situation. A robust, erect form, with strongly serrate leaves, occurs near Rowarth (G1), which J. Freyn considered to be var. *serratus* D.C., *B.E.C. Rep. for* 1898.

Var. *radicans* Nolte.

G1. By Rowarth Brook, below Rowarth.

C. Brackenfield Green; Great Pond, Wingerworth.

T3. Linton Heath, *J.T.H. in Tr. Burton.*

R. Lingua *L.* *Great Spearwort.* *Top. Bot.* "Derby?"

Native. EB. Ditches, canals. Very rare. P. June-Aug.

First record, *Pilkington*, 1789.

G2. Matlock, *Stevens.* Cottage Pond, Chatsworth, *Adams*, *G.P.*

C. South Normanton, *Coke in Pilkington.*

T3. Melbourne Pool, formerly, *Crewe and Whittaker.* Ingleby and Knowl Hills. *Glover.*

R. auricomus *L.* *Goldilocks.* *Wood Crowfoot.*

Native. BE. Woods, hedgebanks. Frequent. P. April-May.

First record, *Glover*, 1829.

L. Near Dovedale, *Purchas.* Youlgreave; Via Gellia; Wirksworth, *Gibbs.*

G2. Ashover, *Bailey*, *C.D.* Near Dethick, *Gibbs.*

C. Hague Lane, Renishaw, *Waterfall.* Between Norton and Eckington, *The Naturalist.* Beighton; near Wingerworth, *Gibbs.* Spital, Chesterfield, *Drabble.*

T1. About Derby, C.D. Sutton-on-the-Hill; near Tutbury; Findern; Etwall, *Gibbs.* Near Sudbury, *Painter*, *Nat*[t]. Mickleover, *Bindley.* Markeaton, *Glover.* Shirley; Longford; Radbourn.

T2. About Breadsall, *Whittaker*, *Phyt.*

T3. Calke, *Bloxam.* Repton, *Wild Fl. Rept.* Winshill, *Gibbs.*

The plant with fully developed flowers is the usual one met with; that with abortive petals occurring here and there.

R. acris *L.* *Buttercup. Meadow Crowfoot.*

Native. B. Meadows, pastures, waysides. Common. P. May-Aug.

First record, *Pilkington*, 1789.

The only form noticed is *vulgatus* Jord.

R. repens *L.* *Creeping Buttercup.*

Native. B. Waste places, roadsides, fields. Common. P. May-Aug.

First record, *Pilkington*, 1789.

"Ascends to near the top [1,810 ft.] of Axe Edge," *Rogers*, *J.B.*

R. bulbosus *L.* *Bulbous Buttercup.*

Native. BE. Meadows and pastures. Common. P. May-July.

First record, *Pilkington*, 1789.

"In a meadow above Little Chester, where beautiful specimens with full double flowers may be found," *Glover*.

R. Sardous *Crantz.* *R. hirsutus* Curt. *R. philonotis* Ehrh. Top. Bot. "Howitt Cat."

Native? EB. Waste places, cultivated ground. Rare and local. A. June-Aug.

First record, *Pilkington*, 1789.

T1 or T2. Derby, *Howitt in Top. Bot.* Not unfrequent near Derby, *Pilkington*.

T3. Brizlincote, near Stapenhill, *N.H. Tutb.* Field on the way to Anchor Church, Repton, *Rept. F. & F.* Calke, *Bloxam*. About Burton, *Hb. Mason !*

R. parviflorus *L.*

Native? E. Dry waste ground. Very rare. A. June-Aug.

First record, *Glover*, 1829.

T2. On the bank of the canal, near Borrowash, *Glover*.

T3. Repton, *Wild Fl. Rept.* Burton, *Hb. Mason !*

R. arvensis *L.* *Corn Crowfoot.*

Native. E. Arable land. Not uncommon. A. June-Aug.

First record, *Pilkington*, 1789.

G1. Near Stirrup Wood, Charlesworth, *Fl. Ashton*.

G2. Matlock, *Stevens*.

C. Cornfields near Barrow Hill, Chesterfield; near The Hague, Renishaw, *Waterfall*. North Wingfield Dam, *Coke in Pilkington*. Kirk Hallam; Cutthorpe, Old Brampton.

P. Bolsover; Langwith; near Shirebrook.

T1. Mickleover, *Painter*, *Nat*. Bradley; Rodsley; Barton Park; Hilton Common; Boyleston Old Hall; near The Bent, Church Broughton; Marston Montgomery.

T2. Ockbrook; Spondon, *Hassé*, *C.D.* Breadsall, *Whittaker*, *Phyt.* Near Trent Station; Risley Park.

T3. Ticknall Limeworks, *Purchas*, *J.B.* Fields on Askew Hill, *Wild Fl. Rept.* Repton; Burton, *Hb. Mason !*

R. Ficaria *L.* *Lesser Celandine. Pilewort.*

Native. B. Hedgebanks, pastures. Common. P. March-June.

First record, *Pilkington*, 1789.

General through the County. The common form is var. *divergens* F.Sz., but good examples of var. *incumbens* F.Sz. occur at Shirley, Sudbury (*J.G.W. in Tr. Burton*), and doubtless elsewhere. The two varieties are connected by intermediate forms.

CALTHA *L.*

C. palustris *L.* *Marsh Marigold.*

Native. B. Wet meadows, ditch-sides, osier-beds. Common, except on limestone. P. April-June.

First record, *Pilkington*, 1789. *Meadow-bouts.*

L. Matlock and Dovedale; rare, *B. & N.*, *J.B.* Miller's Dale, *Rogers*, *J.B.* Ashwood Dale, Buxton, *Jewitt.* Monk's Dale.

G1. Edale; Chapel-en-le-Frith, especially about the Reservoir.

G2. Cromford Canal, *Rogers*, *J.B.* Blake Brook, near Baslow; Kelstedge.

C. Renishaw Canal, *Waterfall.* Millpond N.E. of Fritchley; Horsley Gate; Great Pond, Wingerworth; Walton Wood; Shirland; Hardwick; Pebley Pond.

P. Langwith Wood.

T1. Mickleover, *Bindley.* Bradley; Shirley; Longford; Cubley Brook; Radbourn; Marston-on-Dove.

T2. Breadsall Meadow, *Glover.*

T3. Boggy plantations at Calke, and elsewhere, *Purchas*, *J.B.*

Var. *Guerangerii* (Bor.).

T1. Ash Cover, Bradley, *B.E.C. Rep.* 1889, 244, *and* 1893, 398; Hollington, Longford; Brailsford Brook. Always occurring with the type, and distinguished from it mainly by the narrower non-contiguous sepals.

TROLLIUS *L.*

T. europæus *L.* *Globe Flower.*

Native. S. Sub-alpine pastures and copses on limestone. Rare. P. June-Aug.

First record, *Bot. Guide*, 1805.

L. Hill opposite the Railway Station, Miller's Dale, *Rogers*, *J.B.* Monsal Dale and Monk's Dale, *West*, *J.B.* Lover's Leap, Buxton, *Green*, *C.D.* Via Gellia, *Rowland*, *C.D.* Demon's Dale, Taddington, *Glover.* Litton Dale, near Tideswell, *B.G.* Chee Tor; Brassington Rocks, *Painter*, *J.B.* Cressbrook Dale.

HELLEBORUS *L.*

H. viridis *L.* *Green Hellebore.*

Native. EG. Woods, hedges, pastures, mostly on limestone. Rare and local. P. Feb.-May.

First record, *Pilkington*, 1789.

L. Wormhill; Lathkil Dale, *Painter*, *J.B.* Conksbury Bridge, and small valley opening into it, *Carr.* Doveside, Thorpe, *Sm. MSS.* Near Lea Hall Farm, Tissington (introduced?), and Wolfscote Hill; Matlock, *Purchas.* Ashwood Dale, *Buxton Guide.* Slopes west of Matlock Bath.

P. Woodhouse, Bolsover, *Waterfall*, *C.D.*

T3. Established in woods at Drakelow, *Hb. Mason!*

This plant is frequently the remains of cultivation, as it had formerly a reputation for use amongst animals, and is still frequently to be seen in old farmhouse gardens.

H. fœtidus *L.* *Stinking Hellebore.*

Native? EG. Woods, especially on limestone. Rare. P. Feb.-April.

First record, *Pilkington*, 1789. *Bearsfoot. Setterwort.*

L. Abundant on the limestone rocks, Cromford, *Whittaker*, *B.L. Rec.* 1875, 117. Bakewell, *Painter*, *J.B.* Rocks, Hartington Dale; Matlock Bath, *Purchas.* Between Matlock Bath and Bonsall, *Gibbs.*

G2. Cromford Moor; Dethick, *Pilkington.*

C. Walls of Codnor Castle (probably the same plant gathered as *H. viridis* by Smith (*C.D.*), but referred to this by Howitt in Watson's N.B.G.).

T1. Plantation, Mickleover, *Bindley.*

***Eranthis hyemalis** *Salisb.* *Aconite.*

Alien. Parks, plantations, shrubberies. P. Feb.-April.

First record, *N.H. Tutb.*, 1863.

L. Haddon Hall, naturalised, *Crewe and Whittaker.*

T3. Repton, *Rept. F. & F.* Coppices and shrubberies at Coton Hall, and Vicarage grounds, Stapenhill, *N.H. Tutb.*

AQUILEGIA *L.*

A. vulgaris *L.* *Columbine.*

Native. EI. Woods and thickets. Local. P. June-July.

First record, *Pilkington*, 1789.

L. Monsal Dale; Cressbrook Dale; Bakewell, *Painter*, *J.B.* Ashwood Dale; Miller's Dale, *Green*, *C.D.* Moorlands, Buxton, *Garner.* Limestone bank at Matlock Bath, perhaps not indigenous, *B. & N.*, *J.B.* (this is recorded in *Sm. Eng. F.* as *A. vulgaris*, *B. alpina*). Via Gellia, *Hb. Mason!* At the back of Haddon Hall, *Glover.* Great Rocks Dale.

P. Whitwell Wood, *Gibbs!* Pleasley Park, *Coke in Pilkington.* Scarcliffe Park Wood, abundant.

T3. Willington, probably an escape, *Rept. F. & F.* Drakelow, *Painter*, *J.B.* Calke Park, *Bloxam* (very rare and long extinct, *Purchas*). In a large wood at Foremark, *N.H. Tutb.*

***Delphinium Ajacis** *Reichb.* *Larkspur.*

Alien.

T3. Willington, *W.G. in Tr. Burton.* Repton, *Painter, Nat^t.*

***Aconitum Napellus** *L.* *Monkshood.*

Alien. AI.

First record, *N.H. Tutb.*, 1863.

L. Wormhill, *West, J.B.* Roadside, near Bradbourn Mill.

G2. Woodland, Stanton Park, near main road.

T3. On a shady bank alongside of Drakelow Brook, truly wild, *N.H. Tutb.*

BERBERIDEÆ.

BERBERIS *L.*

B. vulgaris *L.* *Barberry.*

Native. E. Hedges. Local. S. May-June.

First record, *Pilkington*, 1789. *Pipperidgebush.*

C. Millhouses, near Sheffield, *Painter, Nat^t.*

P. Near Markland Grips, Clowne.

T1. Hedges at Mackworth, *Pilkington.* Shirley.

T2. Near the Church, Boulton, *Whittaker, Phyt.* Near the Church, Morley, *Whittaker, J.B.* Breadsall, naturalised, *Crewe and Whittaker.*

T3. Calke Park, *Bloxam.* Drakelow, *J.T.H. in Tr. Burton.* Winshill, *N.H. Tutb.* Bretby, probably planted, *Gibbs in Tr. Burton.*

NYMPHÆACEÆ.

NYMPHÆA *L.*

N. lutea *L.* *Yellow Water Lily.*

Native. EB. Lakes, pools, rivers. Frequent. P. July-Aug.

First record, *Pilkington*, 1789.

G2. Chatsworth, *Baker, J.B.* Pools in Hassop Park.

C. Renishaw Canal, *Waterfall, C.D.* Canal near Kirk Hallam; near Mastin Moor; canal near Shipley Gate. Wingerworth, *Pilkington.* Hardwick, *Glover.*

T1. Ponds between Shirley and Osmaston.

T2. Canal near Trent Lock; Sawley; near Sandiacre. Trent ponds, *Pilkington.* Breadsall Priory, *Glover.*

T3. Old Trent, Repton, *Wild. Fl. Rept.* Swarkeston Meadow, *Crewe and Whittaker.* Drakelow, *Nowers.* Calke Park, *Purchas, J.B.* Foremark, *Hassé, C.D.* Bretby Ponds, *Gibbs.* Pond near canal at Egginton.

CASTALIA *Salisb.*

C. speciosa *Salisb. White Water Lily. Nymphæa alba L.*

Native, though in many places introduced. B. Lakes, pools, rivers. Not common. P. July-Aug.

First record, *Pilkington*, 1789.

G2. Ambergate, *F. A. Lees, C.D.* Wigwell, near Wirksworth, *Milnes, C.D.*

C. Norton, *Hb. Salt.* Wingerworth; West Hallam, *Glover.* Wingfield Pond; Hardwick Pond, *Pilkington.*

T1. Weston-upon-Trent, *Atkinson, C.D.*

T3. Calke Park, *Rept. F. & F.* Trent near Burton; Decoy, Drakelow, *R.G. and J.E.N. in Tr. Burton.* Walton, *N.H. Tutb.* Anchor Church Ponds, *Glover.*

PAPAVERACEÆ.

PAPAVER *L.*

***P. somniferum** *L. Opium Poppy.*

Alien. Waste places. Very rare. A. June-July.

First record, *Glover*, 1829.

L. Near Bakewell, a garden escape, *West, J.B.* Quarry refuse, near Woodseats, Cromford, *Bailey, C.D.* Railway near Matlock Bridge, *Stevens.*

T3. Stapenhill; Drakelow, *E.B. and J.T.H. in Tr. Burton.*

P. Rhœas *L. Common Red Poppy.*

Native or Colonist. EB. Arable land. Not very common. A. June-Aug.

First record, *Pilkington*, 1789.

G2. Whatstandwell, only seen once, *B. and N., J.B.* Bubnell, Baslow; Chatsworth; by R. Derwent, near Little Eaton.

C. About Chesterfield, *Waterfall, C.D.* Sutton; Sheepbridge; near Hackenthorpe; Eckington; near Beauchief Abbey; near Hardwick Wood; Kirk Hallam; Alfreton; Barlborough.

P. Clowne; Houghton; Bolsover; Pleasley.

T1. About Derby, *Painter, J.B.* Mickleover, *Painter, Nat^t.* Hulland.

T2. About Trent Station; Long Eaton; Sawley Junction; Chaddesden, *Pilkington.*

T3. Linton; Cauldwell, *Painter, J.B.* Cornfields near Calke, *Purchas, J.B.* Repton, *Wild Fl. Rept.* Burton; Drakelow, *Hb. Mason.*

Var. *strigosum* (Boenn).

T1. Hulland, near the Knob.

P. dubium *L.*

Native or Colonist. B. Arable land, waste ground. Frequent. A. June-Aug.

First record, *Glover*, 1829.

Var. *Lamottei* (Bor.), *Painter*, *J.B.*, 1881.

L. A scrap seen on a cliff in Monsal Dale, *Baker*, *J.B.* Stoney Middleton.

G2. Duffield; Baslow, *Painter*, *J.B.* Cultivated fields near Matlock, *B. and N.*, *J.B.* Cromford Canal, *Rogers*, *J.B.*

C. About Chesterfield, *Waterfall*, *C.D.* Coal Aston; Dale.

P. Markland Grips; Pleasley.

T1. Railway, Mickleover, *Bindley*. Hulland; Shirley; Church Broughton; near the "Spread Eagle," near Findern; Chellaston.

T2. "Stanhope Arms" sandpit, Ockbrook, *Hassé*, *C.D.* Near Trent Station; Sawley Junction.

T3. Linton; Cauldwell, *Painter*, *J.B.* Repton, *Wild Fl. Rept.* Ticknall Fields, rare, *Purchas*, *J.B.* Roadside, east of Egginton Common.

Var. *Lecoqii* (Lam.).

G1. Casual in waste ground, Bamford Station.

G2. Near Matlock, *B. and N.*, *J.B.*

P. Elmton, in crops; Pleasley.

T1. Findern, *Bindley*. Dalebrook, near Sudbury.

T2. Sparingly by the railway, S. of Trent Station; near Dale.

P. Argemone *L.*

Native or Colonist. BE. Arable land. Rather rare. A. June-Aug.

First record, *Glover*, 1829.

C. Shirland.

P. Pleasley.

T1. Field behind Copse Hill, Osmaston-by-Ashbourne, *Smith MSS.* Hulland.

T2. Morley; Breadsall, *Whittaker*, *Phyt.* Near Trent Station.

T3. Repton, *Rept. F. & F.* Linton; Cauldwell, *Painter*, *J.B.* Ticknall Fields, rare, *Purchas*, *J.B.* Burton, *Hb. Mason.* Calke, *Bloxam.* Between Drakelow and Stanton, *N.H. Tutb.* Coton, *R.G. in Tr. Burton.*

***Meconopsis cambrica** *Vig.* *Welsh Poppy.*

Alien. AI.

L. One Ash Grange, Youlgreave, remains of cultivation, *C.D.* Heights of Abraham and other woods, Matlock Bath; Bakewell, *Crewe and Whittaker.*

T3. Stapenhill; Burton, *Hb. Mason.*

CHELIDONIUM *L.*

C. majus *L.* *Greater Celandine.*

Denizen. EB. Hedgebanks and waste places near buildings. Frequent. P. May-Aug.

First record, *Pilkington*, 1789.

L. Over Haddon, *Painter*, *J.B.* Roadsides at Cromford and Matlock Bath, *B. and N.*, *J.B.* Via Gellia, *Rogers*, *J.B.* Youlgreave, *Gibbs.* Dovedale, *Nowers.* Hopton; Alport; Brassington Rocks.

G2. Shottle. Little Eaton, *Pilkington.*

C. The Hague, Renishaw, *Waterfall.*

P. Bolsover, at Oxcroft.

T1. Stenson, near Derby, *C.D.* Mickleover; Etwall, *Painter, Nat*[t]. Wyaston; Hatton; near Tutbury Station. Churchyard at Mackworth, *Pilkington.*

T2. Morley; Breadsall, *Whittaker, Phyt. and C.D.* Sandiacre.

T3. Common about Burton-on-Trent, *Painter, J.B.* Milton and Ingleby, *Hagger, C.D.* Calke Village, doubtless introduced, *Purchas, J.B.* Bretby, *Gibbs.* Repton, *Rept. F. & F.*

FUMARIACEÆ.

NECKERIA *Scop.*

***N. lutea** *Scop. Yellow Fumitory. Corydalis lutea* DC.

Alien. Old walls near houses. Rare. P. May-June.

First record, *Withering*, 1796. *Fumaria lutea.*

L. Occasionally on walls as about Matlock Bridge Station, *B. and N., J.B.* Bonsall, Matlock Bath, etc., *Phyt. N.S.* 1858, 609. Wormhill, *Painter, J.B.* Near Youlgreave, *Green, C.D.* Cromford; Wirksworth, *Gibbs.* "First found in England by Mr. Howard, growing on old walls near Castleton," *Withering.* Snitterton.

G2. Crich, *Painter, J.B.* Duffield, *Watson's N.B.G.* Milltown, near Ashover, *Drabble.*

C. Walton, near Chesterfield, *Drabble.*

T3. Walton Hall, *E.B. in Tr. Burton.*

N. claviculata *N.E. Brown. Climbing Fumitory.*

Corydalis claviculata D.C. Top. Bot. "J.E. Bowman MS."

Native. BA. Woods and woody sides of streams, avoiding limestone. Local. A. June-Aug.

First record, *Pilkington*, 1789. *Fumaria claviculata.*

G2. Birchover, *Purchas, J.B.* Matlock, *Watson's N.B.G.* Ambergate; Morley Moor, *Painter, J.B.* Alderwasley, *Gibbs.* Chatsworth, *Hb. Mason!* Grindleford, *Painter, Nat*[t]. Pincham's Hill, Belper. Dethick, *Pilkington.*

C. Horsley Castle Wood, *Hassé, C.D.* Breadsall Moor, *Whittaker, Phyt.* Barlow Lees; Brierly Wood, Unstone; Moor Lawn Coppice, Holymoorside; Walton Wood.

T1. Shirley Wood, *Smith MSS.* Mugginton, *Painter Nat*[t]. Mansell Park, Hulland; near Bradley Brook; Yeldersley. Quarndon Common, *Glover.*

FUMARIA *L.*

F. pallidiflora *Jord.* *F. capreolata* L.

Colonist. B. Arable land. Rare. A. June.

First record, *Whittaker*, 1847.

L. Near the "Wishing Stone," Lumsdale, *Drabble.*

T2. About Breadsall, rare, *Whittaker*, *Phyt.*

T3. Repton, *Painter*, *J. B.* (1888)!

F. officinalis *L.* *Fumitory.*

Colonist. B. Cultivated land, gardens, &c. Frequent. A. June-Aug.

First record, *Pilkington*, 1789.

L. Matlock, *B. and N.*, *J.B.*

G1. Waste ground, Bamford Station.

G2. Near Haddon, *Baker*, *J.B.* Near Grindleford Bridge, at Stokemoor Wood.

C. About Renishaw, *Waterfall.* Norton, *Painter*, *Nat^t.* Kirk Hallam; Shirland.

P. Cresswell; Pleasley; Clowne; near The Walls, Whitwell.

T1. Common about Derby, *C.D.* Mickleover, *Bindley.* Shirley; Longford Hall; Church Broughton; Etwall; Allestree; Blackwell.

T2. Breadsall, &c., *Crewe and Whittaker.* Shardlow.

T3. Cultivated ground at Calke, *Purchas*, *J.B.* Repton, *Wild Fl. Rept.* Egginton Common.

CRUCIFERÆ.

CHEIRANTHUS *L.*

C. Cheiri *L.* *Wallflower.*

Denizen. Old walls. Rare. P. May-June.

First record, *Pilkington*, 1789.

L. Cromford, *Rogers*, *J.B.* Matlock, *Stevens.* Haddon Hall, *Crewe and Whittaker.*

G2. Old Quarries at Crich, *Milnes*, *C.D.*

C. Wingfield Manor, *Milnes*, *C.D.* Codnor Castle.

T1. Old walls, Derby, *Pilkington.*

T3. Repton, *Wild Fl. Rept.*

NASTURTIUM *L.*

N. officinale *L.* *Water Cress.*

Native. B. Slow streams, wet places. Frequent. P. May-Oct.

First record, *Pilkington*, 1789. *Sisymbrium nasturtium.*

L. Wormhill, 400 yds., *West*, *J.B.* Via Gellia, *Rogers*, *J.B.* Bradwell, *Painter*, *Nat^t.* Buxton, Ashwood Dale, *Jewitt.* Brook Bottom, Tideswell.

G1. Torside Clough, near Crowden; Hague Bar, New Mills; Edale; Tarden, near Mellor.

G2. Abney Clough; near Hathersage; Calver; Kelstedge.

C. About Renishaw, *Waterfall.* Near West Hallam Station; Kirk Hallam; Denby; Alfreton; Ault Hucknall.

P. Markland Grips; Harlesthorpe, near Clowne; Langwith Wood.

T1. Derby, *C.D.* Mickleover; Radbourn, *Painter*, *Nat*^{t}. Shirley; Marston Montgomery; Barton Park; Markeaton; Sinfin Moor.

T2. Ockbrook, *Hassé*, *C.D.* Breadsall, *Crewe and Whittaker.* Chellaston, *Painter*, *Nat*^{t}. Sandiacre; Sawley.

T3. Near Calke Abbey, *Purchas*, *J.B.* Bretby, *Gibbs.* Old Trent, *Wild Fl. Rept.* By the brook, Egginton.

Var. *siifolium* (Reichb.).

T1. Dalebrook, near Sudbury.

Var. *microphyllum* (Reichb.).

T1. Shirley Wood, by the brook.

N. silvestre *R.Br.*

Native. E. By streams and in damp places. Rather rare. A. June-Aug.

First record, *Glover*, 1829.

L. Cromford, *Drabble.*

C. Shipley, *Watson's N.B.G.* Beighton.

T2. Old bed of R. Derwent, Derby, *Painter*, *J.B.* Breadsall, *Whittaker*, *Phyt.* Abundant by the Trent and R. Erewash, near Long Eaton.

T3. Banks of R. Trent, *Rept. F. & F.* Ingleby, *N.H. Tutb.*

N. palustre *DC.* *Yellow Cress.* *N. terrestre* R.Br.

Native. BE. Sides of streams, wet places. Local. A. June-Aug.

First record, *Glover*, 1829.

L. Stream near Buxton, 350 yds., *Baker*, *J.B.* Near the stream in Cromford Dale, *B. & N.*, *J.B.* Via Gellia, *Bailey*, *C.D.* Miller's Dale; Matlock Bath, *Rogers*, *J.B.* Lathkil Dale.

G1. Near the Reservoir, Chapel-en-le-Frith, *Barker.* Tarden, near Mellor.

C. Eckington Road, near Chesterfield, *Waterfall*, *C.D.* Birleyhay; Ault Hucknall.

T1. Mickleover, *Painter*, *Nat*^{t}. Foston; pond side between Wyaston and Shirley.

T2. Borrowash, *Hassé*, *C.D.* Breadsall, *Crewe and Whittaker.* Thrumpton Ferry.

T3. Newton Solney, *Harris*, *C.D.* Calke, *Bloxam.* Old Trent, *Wild Fl. Rept.* Burton, *Hb. Mason!* Drakelow.

N. amphibium *R.Br.*

Native. E. Streams, ditches, watery places. Not uncommon. P. June-Sept.

First record, *Glover*, 1829.

G2. Cromford Canal at Whatstandwell, *B. & N.*, *J.B.* Matlock, *Stevens.* Ambergate.

C. New Stanton.

T1. Canal, Findern, *Painter*, *Natt.*

T2. Thrumpton, *Hassé*, *C.D.* Old bed of R. Derwent, Derby, *Painter*, *J.B.* Breadsall, *Whittaker*, *Phyt.* Canal side near Chaddesden; Sandiacre; near Long Eaton.

T3. Stapenhill, *Painter*, *J.B.* Willington; sides of ponds at Calke, *Purchas*, *J.B.* Old Trent, Swarkeston, *Hassé*, *C.D.* Canal side near Egginton, *Gibbs.* Drakelow.

BARBAREA *R.Br.*

B. vulgaris *R.Br.* *Winter Cress.* *Yellow Rocket.*

Native. BE. Stream sides, ditches, moist places. Frequent. B. May-July.

First record, *Glover*, 1829. *Sisymbrium barbarea.*

L. Miller's Dale; Monsal Dale; Lovers' Walk, Matlock Bath, *Baker*, *J.B.*, and *B. & N.*, *J.B.* Stony Middleton, *The Naturalist.* Brassington; Youlgreave, *Gibbs.* R. Wye, Ashford; Bradwell.

G1. Near Hathersage.

G2. Ashover, *The Naturalist.* R. Derwent, near Little Eaton; Ecclesbourn Brook.

C. Beighton, *The Naturalist.* Limb Brook, near Dore Station; by the canal, Killamarsh.

T1. About Derby, *C.D.* Findern; Hilton, *Gibbs.* Mickleover, *Bindley.* Shirley; Brailsford; Cubley; Markeaton; Windley.

T2. Borrowash, *Hassé*, *C.D.* Breadsall, &c., *Crewe and Whittaker.* Thrumpton Ferry; R. Erewash, near Long Eaton.

T3. Side of pond in Gill's Park, Ticknall, *Purchas*, *J.B.* Newton Solney, *Gibbs.* Repton, *Wild Fl. Rept.* Drakelow.

B. intermedia *Boreau.*

Colonist. E. Arable land. Rare. B. May-June.

First record, *C.D. Appendix*, 1889.

T1. Several fields in Yeldersley and Sturston, near Ashbourne.

This plant has been referred both to *B. vulgaris* and to *B. præcox* (see B.E.C. Repp. 1889, 244, and 1895, 468). It agrees, however, very closely with plants named as above by Continental authorities.

***B. præcox** *R.Br.* *American Cress.*

Alien. Waste ground. Local and rare. B. May-July.

First record, *N.H. Tutb.*, 1863.

T1. Shirley village.

T3. Winshill, *Harris, C.D.* Calke, *N.H. Tutb.*

ARABIS *L.*

A. hirsuta *Scop.* *Hairy Rock Cress.* *A. sagittata* DC.

Native. B. Rocks, walls, dry places. Locally abundant. B. June-Aug.

First record, *Ray. Cat.* 1670. "*Upon the walls of the Church of Ashburn in the Peak.*"

L. "Common on walls and cliffs of limestone rocks up to 400 yds. at Peveril Castle," *Baker, J.B.* Frequent up to 250 yds. at Matlock, *B. & N., J.B.* Lovers' Leap, Buxton; Miller's Dale; Monsal Dale; Via Gellia; Bonsall, *Rogers, J.B.* Cromford; Lathkil Dale; Brassington Rocks; Middleton Dale; Youlgreave; Long Dale, near Newhaven, *Gibbs.* Haddon, *Bindley.* Alsop-en-le-dale, *Gisborne.* Dovedale, *Nowers.* Bradwell; Great Hucklow.

G1. Between Whaley Bridge and Chapel Reservoir, *Barker.* Bamford Station.

G2. Roadside near Fox House, *The Naturalist.* Hathersage; Heathy Lea, Baslow; Fallgate, Ashover.

P. Markland Grips; Cresswell Crags.

T2. Breadsall, *Crewe and Whittaker.*

***A. albida** *Stev.* Alien.

L. Matlock, *Stevens.* High Tor, Matlock Bath, *Painter, Natt.* Cromford.

This plant, a recent escape, has in the last twelve years increased enormously over the rocks in the neighbourhood of Matlock Bath.

A. perfoliata *Lam.* *Tower Cress.* *Turritis glabra* L.

Native. EG. Dry hedge banks. Local. B. May-June.

First record, *Withering*, 1787.

L. Dovedale; Castleton, *Purton.* Matlock, near the entrance to the Cumberland Cavern, *Glover.* Between Ashbourne and Okeover, *Pilkington.*

T1. Near Shirley Vicarage, *Fitzherbert in Smith MSS.*

T3. Drakelow, *Painter, J.B.* Banks between Ticknall and Hartshorne, and between Ticknall and Milton, *Purchas, J.B.* Roadsides, *Rept. F. & F.* Bretby, *N.B.G. Supplement.*

CARDAMINE *L.*

C. amara *L.* *Bitter Cress.*

Native. BG. River-sides, brooks, pools. Frequent. P. April-June.

First record, *Pilkington*, 1789.

L. Near Bakewell, *Green, C.D.* Via Gellia, *Painter, J.B.* Plentiful in various parts of the Dove, *Purchas, J.B.* Wirksworth, *Gibbs.* Buxton, Ashwood Dale, *Jewitt.* Haddon; Cromford, *Painter, Natt.*

G1. Stirrup Wood; Mellor, *Fl. Ashton.* Derwent Dale; Hood Brook, Hathersage, 600 feet.

G2. Near Ashover, *Bailey, C.D.* Between Duffield and Ireton, *Painter, Nat^t.* Shottle and Ecclesbourne Brook; Abney Clough.

C. Shipley, *Watson's N.B.G.* Birleyhay, near Eckington, *The Naturalist.* Renishaw Canal, *Waterfall.* Caldwell Valley, near Dronfield, *Drabble.*

T1. Kedleston, *Painter, J.B.* Mackworth, *Painter, Nat^t.* Sutton-on-the-Hill, *Gibbs.* Hilton, *Hb. Mason!* Hulland; Black Brook, Mugginton; Quarndon Common; Shirley; near Alkmonton. Siddals, near Derby; Rough Heanor, *Pilkington.* Markeaton Brook, *Glover.*

T2. Breadsall, *Whittaker, Phyt.* Banks of R. Derwent, Borrowash, *Hassé, C.D.*

T3. Burton-on-Trent, *Painter, J.B.* Milton, *Hagger, C.D.* About the margins of ponds in Calke Park, and on the banks of Springwood Brook, *Purchas, J.B.* Bretby Mill, *Gibbs.* Old Trent, Repton, *Wild Fl. Rept.*

C. pratensis *L.* *Lady's Smock. Cuckoo Flower.*

Native. B. Meadows, fields, roadsides. Common. P. April-June.

First record, *Pilkington*, 1789.

Generally distributed throughout the County. Common up to 500 yds. at Buxton, *Baker, J.B.* Matlock, 350 yds., *B. & N., J.B.* A form with dentate leaflets occurs occasionally, as at Hulland Moss.

C. hirsuta *L.* *Hairy Bitter Cress.*

Native. B. Walls, banks, dry places. Common? A. March-Sept.

First record, *Martyn in Phil. Trans. XXXVI.*, 1729. *Cardamine impatiens altera hirsutior.*

Generally distributed.

C. flexuosa *With.* *C. silvatica* Link.

Native. B. Damp shady places, woods, ditches. Common. A. April-July.

First record, *Pilkington*, 1789. *C. parviflora.*

L. Miller's Dale; Matlock, *B. & N., J.B.* Buxton, *Rogers, J.B.* About Dovedale, *Purchas.* Scow Brook, Hognaston; Ashford.

G1. Chapel-en-le-Frith, *Rogers, J.B.* Stirrup Wood, *Painter, J.B.* Derwent Dale; Ollerbrook, Edale.

G2. Milltown, Ashover, *B.L. Rec.* 1881, 184. Abney Clough; Froggatt; Beeley; Shottle.

C. Near Renishaw, *Waterfall, C.D.* Barlow Brook, S. Normanton, *Pilkington.*

T1. Mackworth, *Painter, J.B.* Mickleover, *Bindley.* Shirley; Barton Blount; Cubley Brook; Marston-on-Dove; Radbourn; Etwall.

T2. Breadsall, *Painter, Nat^t.*

T3. Burton-on-Trent, *Painter, J.B.* Repton Rocks, *Gibbs.* Calke Village, *Purchas.*

C. impatiens *L.*

Native. I. Woods, dales, river-banks (brought down from the dales). Rare off the limestone. A. May-June.

First records, *Withering*, 1776; *Huds. Fl. Ang.*, 1778; *Gough's Camden*, and *Pilkington*, 1789.

L. Matlock Bath, *Smith*, *C.D.* Cromford Dale, and other limestone woods, *B. & N.*, *J.B.* Middleton Wood, *Hb. Mason!* Buxton, *Buxton Guide.* Near Lomberdale Hall, between Middleton and Youlgreave, *Purchas.* Chee Dale; Lathkil Dale; Via Gellia; Monsal Dale, *Painter*, *J.B.*, *and Nat*[t]. Miller's Dale, *Barrow.* Cressbrook Dale; Taddington Dale.

G2. Ecclesbourn Brook, between Shottle and Duffield; R. Derwent, near Little Eaton.

C. Langley Mill, *Watson's N.B.G.*

T1. By R. Dove, near Clifton.

T2. Breadsall, *Whittaker*, *Phyt.*

T3. Bretby, *Painter*, *J.B.*

***C. bulbifera** *R.Br.* *Coralwort.* *Dentaria bulbifera* L.

Alien. EG.

G1. Near the Goyt, between Marple and Strines, *Barker.*

***Alyssum incanum** *L.* Casual.

C. Dunn's Hall, near Dale, *Hassé*, *C.D.*

***A. calycinum** *L.* Casual.

T1. Yeldersley, near Ashbourne.

DRABA *L.*

D. muralis *L.* *Speedwell-leaved Whitlow-grass.* Top. Bot. "J.E. Bowman sp."

Native. IL. Limestone rocks and slopes. Locally plentiful. A. April-May.

First record, *J. Petiver*, 1711. *Germander Whitlowgrass.* "Mr. Thos. Pool of Nottingham, a curious Botanist, has observed it about Cromford in Derbyshire."

L. Ashwood Dale, and near Haddon Hall, *Green*, *C.D.* Chee Dale, 300 yds., and Miller's Dale, *West*, *J.B.* Alport, *Gibbs.* Via Gellia; Matlock Bath; Hartington, *Painter*, *J.B.* Peveril Castle, *Phyt. N.S.* 1858, 481. Cave Dale, *Drabble.* About ¼-mile from Cover (Calver) towards Bakewell, *Hb. Salt.* Elden Hole, *Watson's N.B.G.* Parwich, *Glover.* Near Monyash; Cressbrook Dale; Parkhouse Hill; Dowel Dale.

G2. Stanton, *Carr.* On wall of lane from Baslow to Hassop.

D. incana *L.* Top. Bot. "Wardale sp."

Native. H. Limestone rocks. Rare. P. June-July.

First record, *Purton*, 1821.

L. Lover's Leap; near Harper Hill, Buxton, *Green*, *C.D.* Miller's Dale; Monk's Dale; Monsal Dale, *Painter*, *J.B.* Between Peak Forest and Tideswell, *Barker*. Great Rocks Dale; near Blackwell Mill.

EROPHILA *DC.*

E. vulgaris *DC.* *Whitlow-grass.* *Draba verna* L.

Native. B. Walls, rocks, dry places. Common on limestone and frequent in most parts of the County. A. March-July.

First record, *Pilkington*, 1789.

L. Ashwood Dale, *Buxton Guide*. Bakewell, *Barrow*. Youlgreave, *Gibbs*. Dovedale, *Purchas*. Wensley Dale; Via Gellia; Bradwell; Castleton, The Winnatts; Brassington Rocks; Carsington Pastures.

G1. Along the old road, near Goyt's Moss.

G2. Lea Mills, *Gibbs*. Eyam Moor; by Robin Hood Inn, and near Far End, Baslow; near Wrag's Quarry, above Rowsley; roadside above Darley Moor.

C. Dale, *Hassé*, *C.D.*

P. Cresswell Crags; Markland Grips, near Clowne, *Waterfall*, *C.D.*

T1. Mickleover, *Painter*, *Nat^t.* Burnaston, *Bindley*. Birchwood Park, and Roston; near Markeaton Brook, below Quarndon. Normanton, *Pilkington*. Wall surrounding Mackworth Churchyard, *Glover*.

T2. Walls, Boulton, near Derby, *C.D.* Shacklecross, *Hassé*, *C.D.* Breadsall, &c., common, *Crewe and Whittaker*. Canal bank, Trent Lock. Pinxton, *Pilkington*.

T3. Calke, *Bloxam*. Wall above Crewe's Pond, Repton, *Rept. F. & F.* Southwood Farm; Ticknall Quarries; Melbourne, *Purchas*. Roadside east of Egginton Common.

Var. *brachycarpa* Jordan. *E. præcox* DC. *B.L. Rec.* 1877, 208.

L. Top of Ravensdale, *Searle*, *C.D.* Near Litton Mill, *Bailey*, *C.D.* Monsal Dale; Miller's Dale, *Carr*, *C.D.*

Var. *stenocarpa* (Jord.).

L. Brassington Rocks, *B.E.C. Rep.* 1901, 621.

E. inflata *Hook, fil.*

Native. H. Rocks and rocky ground in limestone dales. Rare. A. May-July.

First record, *The Flora*.

L. Dovedale, occurring with the type and closely agreeing with Scotch specimens; occasionally tending to pass into the type as the Ben Lawers plant does.

G2. Birchen Edge, near Baslow.

COCHLEARIA *L.*

C. alpina *H.C. Wats.* *Scurvy-grass.* Top. Bot. "alpina?"

Native. B. Limestone rocks. Rare. P. May-Aug.

First record, *Parkinson*, 1640.

L. Wirksworth, *Painter, J.B.* The Winnatts, and Peveril Castle, *Baker, J.B.* Stoney Middleton, *Watson's N.B.G.* Snitterton, near Matlock (*C. officinalis*), *Crewe and Whittaker.* Bradwell Dale, *Painter, Nat^t.* Pin Dale, near Castleton.

This plant, considered by Mr. Baker (J.B.) to be intermediate between *littoralis* and *alpina*, in cultivation becomes very nearly typical *alpina*.

***C. Armoracia** *L.* *Horseradish.*

Alien.

L. Via Gellia, an occasional stray from cottage gardens, *B. & N., J.B.* About Castleton.

T2. Breadsall, *Whittaker, Phyt.*, 1847.

T3. Near Repton, *J.E.N. in Tr. Burton.*

***Hesperis matronalis** *L.* *Dame's Violet.*

Denizen. Waste places, banks of streams. Rare. B. May-July.

First record, *Bot. Guide*, 1805.

L. Ashwood Dale, *Green, C.D.* Wormhill, *West Jun., C.D.* Near Ashford, *Whittaker, J.B.* In a field by the roadside between Castleton and Eyam, *Mag. Nat. Hist.* Dove Bank, Thorpe, *Nowers.* Miller's Dale; Chee Dale, *Painter, J.B. and C.D.*

G2. Banks of the Derwent at Matlock, *Bot. Guide.* Roadside above Edensor near to a farmhouse, *Watson's N.B.G.* Milltown, near Ashover, *Drabble.*

SISYMBRIUM *L.*

S. Thalianum *J. Gay.* *Arabis Thaliana* L.

Native. B. Walls, dry banks, sandy fields. Local. A. April-May.

First record, *Glover*, 1829.

L. Near Lover's Leap, Buxton, 350 yds., *Rogers.* Lathkil Dale, *The Naturalist.* Wirksworth; Brassington; Youlgreave, *Gibbs.* Alport, *Carr.* Matlock Bath; Cromford; Dovedale, *Painter, Nat^t.*

G2. Gritstone walls at Matlock Bridge, *B. & N., J.B.* On a wall at Stanton; walls at Little Eaton.

T1. About Derby, *C.D.* Sutton-on-the-Hill, *Gibbs.* Mickleover, *Bindley.* Kirk Langley; between Shirley and Ednaston. Wall round Mackworth Churchyard, *Glover.*

T2. Sandiacre, *Hassé, C.D.* By Trent Station, *Carr.* Breadsall, *Crewe and Whittaker.* Spondon.

T3. Dry banks on millstone grit at Melbourne, *Purchas, J.B.* Anchor Church; Ingleby; Bretby and Greysich, *Gibbs.* Cricket-field walls, Repton, *Wild Fl. Rept.*

S. officinale *Scop.* *Common Hedge Mustard.*

Native. B. Hedge-sides, waste places. Common. A. June-Aug.

First record, *Pilkington*, 1789. *Erysimum officinale. Bank Cresses. Scrambling Rocket.*

Common throughout the County, except perhaps in the extreme north. "Up to 300 yds. about Matlock," *B. & N., J.B.* "Rare on limestone," *Purchas.*

***S. Sophia** *L.* *Flix-weed.*

Casual. BE. *Pilkington*, 1789.

L. Matlock, *Stevens.*

T1. Markeaton Hill, on the road to Ashbourne, near Derby, *Pilkington.*

T2. On rubbish between Derby and Shardlow, *Glover.*

T3. Garden weed at Ticknall, *Purchas, J.B.*

***S. Irio** *L.*

Casual. EL. *Pilkington*, 1789.

C. Wingfield Manor, *Pilkington.*

T3. Road between Burton and Ashby when first made, *N.H. Tutb.*

S. Alliaria *Scop.* Hedge Garlic. *Jack-by-the-hedge. Sauce alone.*

Native. BE. Hedges, road-sides, waste ground. Common. B. April-June.

First record, *Pilkington*, 1789.

Common throughout the County. "Very fine in the limestone woods," *B. & N., J.B.*

ERYSIMUM *L.*

E. cheiranthoides *L.* *Treacle-mustard.*

Colonist. E. Arable land, damp ground. Rare. A. June-Sept.

First record, *Ray. Cat.*, 1670. "*Prope Ashburn oppidum in Pecco Derbiensi dicto.*"

P. Casual, near Pleasley Station.

T1. Cultivated ground, Mickleover, *Painter, Nat^t.*

T2. Banks of R. Derwent at Draycott, *Hassé, C.D.* Derby, *Pilkington.*

***Camelina sativa** *Crantz.*

Alien. *Pilkington*, 1789. *Myagrum sativum. Gold of Pleasure.*

C. Heanor, *Watson's N.B.G.*

T1. Normanton, *Pilkington.*

T2. Cornfields occasionally at Breadsall, *Crewe and Whittaker.*

BRASSICA *L.*

B. Napus *L.* *Rape.* *B. campestris* Syme.

Colonist. E. Sides of fields, waste places. Rare. A. or B. May-July.

First record, *Pilkington*, 1789.

T2. Borrowash, *Hassé, C.D.* Breadsall, *Crewe and Whittaker.*

T3. Askew Hill, Repton, *Wild Fl. Rept.* Calke, *Bloxam.*

B. Rapa *L.* *Wild Turnip.*

Colonist or Native. E. On river banks. Locally abundant. B. April-May.

First record, *Pilkington*, 1789.

L. Wye Valley; a frequent colonist up to 450 yards, *Baker, J.B.* A common weed of cultivated ground up to 300 yards about Matlock. Forms with both lemon-yellow and orange-yellow flowers, *B. & N., J.B.* Miller's Dale, *Rogers.*

T3. Burton, *Hb. Mason.*

Var. *silvestris* H.C. Wats.

L. Dovedale, *Painter, J.B.* R. Wye, Bakewell, *Purchas.* By the Henmoor Brook, Corley.

G2. Ecclesbourn Brook, near Duffield; R. Derwent, near Little Eaton.

C. Bank of R. Rother, near Eckington Station, *Waterfall.* Beighton.

T1. Clifton (*B.E.C. Rep.*, 1895, 469); Doveridge; banks of R. Dove about Tutbury and Marston.

T2. Morley, *Painter, J.B.* Breadsall, *Crewe and Whittaker.* Side of railway and R. Derwent near Borrowash; Thrumpton Ferry; Long Eaton; Sawley.

Var. *Briggsii* H.C. Wats.

P. Pleasley.

B. Sinapioides *Roth.* *Black Mustard.* *Sinapis nigra* L.

Native. E. Arable land, river banks. Rather rare. A. June-Aug.

First record, *Pilkington*, 1789.

G2. R. Derwent, Matlock Bridge, *B. & N., J.B.*

T1. Between station and Church, Norbury; Copse Hill, Osmaston-by-Ashbourne, *Smith MSS.* Hollington, near Longford.

T2. Breadsall, frequent, *Crewe and Whittaker.* Pinxton, *Pilkington.*

T3. Waste ground, Repton, *Wild Fl. Rept.*

B. Sinapistrum *Boiss.* *Charlock.* *Wild Mustard.* *Sinapis arvensis* L. *Brassica Sinapis* V.

Native. B. Arable land. Very common. A. May-Aug.

First record, *Pilkington*, 1789.

A common weed up to 450 yards, *Baker, J.B.*

B. alba *Boiss.* *White Mustard.* *Sinapis alba* L.

Colonist. EB. Arable land. Rare. A. June-Aug.

First record, *Glover*, 1829.

L. Occasional straggler from gardens at Matlock, *B. & N., J.B.*

G2. Field at Kelstedge.

T1. Cornfield, Mickleover, *Bindley.*

T2. Waste ground near Ockbrook Church, *Smith MSS.* Breadsall, &c., common, *Crewe and Whittaker.*

T3. Waste ground, Repton, *Wild Fl. Rept.* Cauldwell, *P.B.M. in Tr. Burton.*

DIPLOTAXIS *DC.*

D. muralis *DC.* *Wall Rocket.*

Denizen. E. Waste ground. Rare. A. or B. July-Sept.

First record, *N.H. Tutb.*, 1863.

L. Castleton, *Drabble.*

T3. Willington, *Hb. Mason!* Stapenhill, *N.H. Tutb.*

CAPSELLA *Moench.*

C. Bursa-Pastoris *Moench.* *Shepherd's Purse.* *Bursa Bursa-Pastoris* Weber.

Native. B. Waysides, waste and cultivated land, &c. Everywhere common. A. March-Nov.

First record, *Pilkington*, 1789. *Thlaspi Bursa-pastoris.*

Varies according to soil and situation in leaves and shape of capsule.

CORONOPUS *Rupp.*

[**C. didymus** *Sm.* *Lesser Wart Cress.* *Senebiera* Pers.

Casual. AE.

T2. Garden weed at Hillside, Ockbrook, *Smith MSS.*]

C. Ruellii *All.* *Common Wart Cress.*

Native. E. Waste places, road-sides. Not common. A. May-Sept.

First record, *Glover*, 1829.

G2. Duffield, *Glover.*

C. Between Alfreton and Shirland.

T1. Mickleover, *Painter*, *Nat^t.*

T2. Settlement Hill, Ockbrook, *Smith MSS.* Breadsall, *Whittaker*, *Phyt.* Sawley; about Trent Lock; Great Wilne.

T3. Burton-on-Trent, *Painter*, *J.B.* Stapenhill, *Harris*, *C.D.* Calke, *Bloxam.* Repton, *Wild Fl. Rept.*

LEPIDIUM *L.*

L. campestre *R.Br.* *Field Pepperwort.*

Native. BE. Arable land. Local. B. June-Aug.

First record, *Glover*, 1829.

L. Matlock Bath, *Painter*, *Nat^t.*

C. Dale; Stanton, *Hassé*, *C.D.*

T1. Fields between Yeldersley and Brailsford.

T2. Ockbrook, *Hassé*, *C.D.* Breadsall, on gravel, *Whittaker*, *Phyt.*

T3. Cauldwell, *Harris*, *C.D.* Calke, *Purchas*, *J.B.* Repton, *Wild Fl. Rept.* Breach Farm, Drakelow, *Hb. Mason!*

[**L. hirtum** *Sm.* *L. Smithii* Hook.

Casual. BE. Field borders, hedge banks. Very local and rare. P. June-Aug.

T1. Once seen on arable land at Charity Farm, Wyaston, *Miss Sandford.*]

[**L. Draba** *L.*

Casual.

C. In some plenty at Stanton, *Carr.*]

THLASPI *L.*

T. arvense *L.* *Penny Cress.*

Colonist. B. Arable land, waste ground. Local. A. May-July.

First record, *Crewe and Whittaker*, 1864.

T2. Cornfields, Morley, *Whittaker*, *C.D.* Breadsall, *Crewe and Whittaker.*

T3. Brizlincote; Bretby, *J.T.H. in Tr. Burton.* Stapenhill, *Painter*, *J.B.*

T. alpestre *L.*

Native. HI. Limestone rocks and walls. Locally abundant. A. June-Aug.

First records, *Withering*, 1776; *Huds. Fl. Ang.*, 1778; *Gough's Camden*, 1789 *T. montanum.*

Var. *silvestre* (Jord.). Raceme and pedicels long, notch deep, style short.

L. By the Bradford, Youlgreave, *B.L. Rec.* 1874, 53 (*T. virens*).

Var. *virens* (Jord.).

L. High Tor, Matlock Bath, 150-250 yards, always associated with *Avenaria verna* on the debris of the lead-mines, *B. & N.*, *J.B.* Wirksworth; Via Gellia, *Painter*, *J.B.* Bonsall; Cromford, *Rowland*, *C.D.* Dean Hollow, *Gibbs.* Castleton, *Purton.* Alport; wood between Matlock Bridge and Brightgate; slopes near Wensley.

This plant has the notch of the silicule shallow, with a long style. Specimens from Lyons named by Jordan have shorter raceme and larger flowers, but agree in pouch and style, *Phyt.*, 1853, 934.

***Iberis amara** *L.* *Bitter Candytuft.*

Casual. G. *Whittaker*, 1847.

L. Railway bank, Monsal Dale, *Britten*, *J.B.*, 1870. Cressbrook Dale, *Sunderland!*

T1. Fields, Yeldersley, near Ashbourne.

T2. Sandy field by the Derwent, near Breadsall, not rare, *Whittaker*, *Phyt.*

TEESDALIA *R.Br.*

T. nudicaulis *R.Br.*

Native. BE. Dry banks, heaths. Rare and local. A. May-June.

First record, *Glover*, 1829. Top. Bot., 57, Derby. "Howitt Cat."

L. Middleton Dale, *Glover*.

P. The entry for Markland Grips in *C.D.* was an error.

HUTCHINSIA *R.Br.*

H. petræa *R.Br.* *Mountain Pepperwort or Dittander.*

Native. IL. Limestone rocks. Locally abundant. A. March-May.

First record, *Gisborne*, 1793. (*Withering*, 1801. *Lepidium petræum.*)

L. Chee Dale, 300 yards, *West, J.B.* Miller's Dale; Monsal Dale; Dovedale, *Painter, J.B.* Beresford Dale, *Smith MSS.* Ashwood Dale, *Hb. Mason!* Deep Dale, near Buxton, *Barker.* Lover's Leap, *Green, C.D.* Lime rocks, opposite Beresford Hall (Fenny Bentley), *Watson's N.B.G.* Cressbrook Dale; Litton.

***Isatis tinctoria** *L.* *Woad.*

T3. Casual, Willington, *J.T.H. in Tr. Burton.*

RAPHANUS *L.*

R. Raphanistrum *L.* *Wild Radish.*

Colonist. B. Arable land. Rather rare. A. May-Sept.

First record, *Pilkington*, 1789.

L. Buxton; Via Gellia, *Rogers.* Rare about Matlock, only the form with bright yellow flowers like those of a *Sinapis* seen, *B. & N., J.B.* Eyam, *Drabble.*

G1. Charlesworth, *Whitelegg, C.D.*

G2. Near Bramley, Hassop, *Gem of the Peak.* Chatsworth.

C. About Renishaw, *Waterfall.* Unstone; Tibshelf. Pinxton, *Pilkington.*

P. Pleasley.

T1. Between Etwall and Willington, *Painter, Nat^t.* Mickleover, *Bindley.* About Egginton Station; Hulland. Derby, *Pilkington.*

T2. About Sawley Junction.

T3. Stapenhill, *Painter, J.B.* Repton, *Wild Fl. Rept.*

RESEDACEÆ.

RESEDA *L.*

R. lutea *L.* *Wild Mignonette. Base Rocket.*

Native. EG. Dry waste ground, arable land. Rare. B. June-July.

First record, *Glover*, 1829.

G1. Bank near Bamford Station.

G2. In a meadow by the side of the Derwent, *Glover*. Bull Bridge, near Ambergate, *Watson's N.B.G.* Road between Rowsley and Bakewell, *Drabble*.

C. Near Killamarsh Station.

T2. Spondon; banks of the Derwent, near Stoney Cross, *Hassé, C.D.*

T3. Drakelow, *Nowers*.

R. Luteola *L.* *Dyers' Weed.* *Weld.*

Native. BE. Dry banks, walls. Rather rare. B. June-Aug.

First record, *Pilkington*, 1789.

L. Matlock Bath, *Painter, J.B.* Limestone quarries in Matlock Dale, *B. & N., J.B.* Mine heaps about Alport, *Carr*. Below Lathkil Dale, *Miss Fenton*.

G2. Cromford Canal, *Rogers*. Pincham's Hill, Belper; Ambergate; Ashover. Duffield, *Pilkington*.

C. Staveley Works, about slag-heaps, *Waterfall*. Railway, West Hallam, *Bindley*. Codnor Park Station; Beighton. Pinxton, *Pilkington*.

P. Steetley, Whitwell, *Painter, Nat*[t].

T1. Allestree, *Pilkington*.

T2. Near Aston, *Hassé, C.D.* Waste ground, Breadsall, *Crewe and Whittaker*.

T3. Ticknall Quarry, *Wild Fl. Rept.* Bretby; old quarry, Stanton-by-Bridge, *Painter, J.B.* Burton, *Hb. Mason!*

CISTINEÆ.

HELIANTHEMUM *Hall.*

H. Chamæcistus *Mill.* *Rock Rose.* *H. vulgare* Gaertn.

Native. BE. Dry slopes and roadsides on limestone. Abundant locally. P. June-Sept.

First record, *Pilkington*, 1789. *Cistus helianthemum.*

L. Buxton, one of the commonest species of the limestone cliffs, 200-400 yards, *Baker, J.B.* Up to the Heights of Abraham, 350 yards, *B. & N., J.B.* Miller's Dale to Monsal Dale; Bonsall, *Rogers*, Lathkil Dale; Brassington Rocks, *Gibbs*. Dovedale, occasionally with an orange spot at the base of the petals, *Purchas*. The Winnatts, Castleton; Carsington Pastures; Bradwell; Ashford; Longstone Edge. Middleton Dale, *Pilkington*.

G2. Ashover, *Pilkington*.

P. Cresswell Crags, *Gibbs*. Bolsover; Clowne; Elmton; stonepit, Whitebrick Moor, Whitwell.

VIOLARIEÆ.

VIOLA *L.*

V. palustris *L.* *Bog Violet.*

Native. B. Bogs, marshes. Frequent. P. April-June.

First record, *Glover*, 1829.

G1. Axe Edge, *Painter, J.B.* Near the Reservoir, Buxton, *Rogers, J.B.*

Near Combes Moss, *C.D.* Kinderscout, *Fl. Ashton.* Near the Snake Inn; Stanage Edge; near Crowden Reservoir; Hood Brook, Hathersage; R. Sett, S. of Hayfield.

G2. Burbage Edge, *C.D.* Tansley Moor, *B. & N., J.B.* Froggatt.

C. Horsley Car, *Painter, J.B.* Totley Moss; Moorhole, near Hackenthorp; Moor Lawn Coppice, Holymoorside.

T1. Allestree Park, *Whittaker, Phyt.* Shirley Wood, *Smith MSS.* Yeldersley; by Bradley Brook.

T3. Repton Rocks, *Wild Fl. Rept.* Sides of Springwood Brook, Calke; also bog near Foremark Park, *Purchas, J.B.* Ticknall, *Hb. Mason!*

V. odorata *L.* *Sweet Violet.*

Native. E. Hedge banks. Local and frequent. P. March-April.

First record, *Pilkington*, 1789.

L. Miller's Dale, but only near houses, *Rogers, J.B.* Once seen at the top of Bonsall, near a farmhouse, *B. & N., J.B.* Cromford, *Gibbs.* Matlock, *Stevens.* Dovedale, *Purchas.* Lathkil Dale, near Alport, *Carr.* Carsington; Hopton.

G2. Near Rowsley, *Gibbs.* Hathersage; Idridgehay.

C. About Renishaw. *Waterfall.* Breadsall Moor, *Hassé, C.D.* Near Norton, *Painter, Nat^t.*

P. Bolsover; Clowne; Pleasley Park.

T1. Mickleover, *Bindley.* Shirley; Hollington; Snelston; Cubley; Dalbury; near Thurvaston Stoop; Longford; Barton Blount.

T2. Morley, *Painter, J.B.* Canal side, near Borrowash.

T3. Common about Burton-on-Trent, *Painter, J.B.* Between Repton and Newton, *Wild Fl. Rept.* Linton, *Hb. Mason!* Calke, *Bloxam.* Ticknall, *Purchas.*

F. *alba* (Lange).

L. Lathkil Dale, near Alport, *Carr.*

C. Near Norton, *Painter, Nat^t.*

P. Scarcliffe Park Wood.

T2. Morley, *Painter, J.B.*

T3. About Burton-on-Trent; Repton, *Painter, J.B.* Bretby; Newton, *Rept. F. & F.*

V. hirta *L.* *Hairy Violet.*

Native. EG. Hedge banks, hill slopes, mostly on limestone. Local. P. March-May.

First found, *Salt*, 1801. *Hb. Salt.* First record, *Purton*, 1817.

L. Chee Dale, *Green*, *C.D.* Miller's Dale; Taddington Wood; Via Gellia; Dovedale, *Baker* and *B. & N.*, *J.B.* Cromford; Monsal Dale, *Painter*, *J.B.* Near Buxton, *Purton.* Brassington Rocks, *Gibbs.* Conies Dale, Peak Forest; Great Rocks Dale.

G2. Ashover, *Bailey*, *C.D.*

P. Scarcliffe Lane Farm, near Langwith, *Waterfall.* Near Barlborough (Balbro'), *Hb. Salt.* Cresswell Crags; Markland Grips; Elmton.

T2. Rare on hedge banks at Ockbrook, *Smith MSS.*

T3. Ticknall, *Purchas*, *J.B.*

V. silvestris *Reichb.* *V. Reichenbachiana* Bor.

Native. B. Hedge banks, wood borders. Frequent and rather local. P. March-June.

First Record, *Purchas*, *J.B.*, 1887.

L. Plentiful at Fenny Bentley, *Purchas*, *J.B.* Wirksworth, *Gibbs.* Great Shacklow Wood; Dovedale; near Kniveton.

C. Fritchley.

P. Scarcliffe Park Wood.

T1. Hilton Common; between Alkmonton and Boylestone; Hollington; Shirley; Roston, near Norbury; Ridge Lane, Atlow.

V. silvestris × Riviniana.

T1. Hollington, near Longford, growing with the parents, and quite sterile (*B.E.C. Rep.* 1891, 325).

V. Riviniana *Reichb.* *Wood Violet.*

Native. B. Hedgebanks, woods, hillsides. Common. P. April-June.

First record, *Pilkington*, 1789. *V. canina.*

Generally distributed. The f. *villosa* (Neum.) occurs in Dovedale and probably in other places on the limestone.

V. ericetorum *Schrad.* *Dog Violet.* *V. canina* L. p.p.

Native. B. Commons and open ground, preferring sand or peat, also in turf on limestone. Rare. P. May-June.

First record, *N.H. Tutb.*, 1863.

L. Dovedale, scarce, *Purchas*, *J.B.* Brassington Rocks.

T1. Shirley Park, in peaty turf; in heathy pasture by Bentley Car, Alkmonton.

T2. Ockbrook, *Painter*, *J.B.*

T3. Dry banks near Seal Wood, *N.H. Tutb.*

V. ericetorum × Riviniana.

T1. Shirley Park.

V. tricolor. *L. Wild Pansy. Heartsease.*

Native. B. Cultivated ground. Frequent. A. or B. May-Oct.

First record, *Gibson's Camden*, 1695.

L. Cromford, *Rogers, J.B.* Ashwood Dale, Buxton, *Jewitt.* Bradwell.

G1. Field at High Lee, near Chapel, *Gisborne.*

G2. Near Matlock up to 250 yards, *B. & N., J.B.* Near the Derwent, Little Eaton; Hathersage.

C. About Chesterfield, *Waterfall, C.D.* Breadsall Moor; Coxbench, *Crewe & Whittaker.* Fritchley.

T1. Mickleover, *Bindley.* Shirley; Yeldersley; Etwall.

T3. Askew and Parson's Hills, Repton, *Wild Fl. Rept.* Calke, *Bloxam.*

V. arvensis *Murr.*

Native. B. Cultivated land. Common. A. or B. May-Oct.

First record, *C.D.*, 1889.

Common everywhere. Large tricoloured forms occur in fields between Pleasley and Rowthorn, probably produced by bees crossing garden varieties with *V. arvensis.*

V. lutea *Huds. Yellow or Mountain Pansy.*

Native. S. Heaths, upland pastures, mountains. Locally plentiful. P. June-July.

First record, *How, Phyt. Brit.*, 1650. "*Jacea sive herba Trinitatis elegantissima, Flore luteo amplissimo. Knapweed, with a most ample yellow flower. Neere Eldenhole, and about Buckstones.*"

L. Between Bradbourne and Winster, *Smith, MSS.* Eyam, *Carr, C.D.* Near Middleton Dale, *Hb. Salt.* Wardlow Hay Cop; Via Gellia; Chelmorton Low, *Painter, J.B.* Cromford; near Newhaven, *Gibbs.* N. of Hassop, 300 yards; Bakewell, *West, J.B.* Buxton, and Chapel, *Barrow.* Oxlow Rake; Pin Dale, Castleton; Longstone Edge; Bradwell Old Moor; Brook Bottom, Tideswell; High Low, Sheldon.

G1. Mam Tor, abundant, 450-500 yards, *Rogers, J.B.* Fernilee, abundant on the hill pastures, *Barker.* Charlesworth Combes, *Fl. Ashton.* Chapel-en-le-Frith, *Pilkington.* Abundant under Cuckoo Tors, near Buxton.

G2. Appletree Knoll, Ashover, *Bailey, C.D.* Black Rocks, Cromford, *Hb. Linton.* Near Milnhay, towards Wirksworth, *Gisborne.* Eyam Moor; Lea. Chatsworth, *Pilkington.*

f. *amœna* (Symons).

L. Miller's Dale; Wirksworth, *Painter, J.B.* Matlock Tor, *Rogers.* Above Via Gellia, *Smith, MSS.* Eldon Hill; Litton.

G1. Corbar, near Buxton, *Green, C.D.!* Eccles Pike, near Whaley Bridge, *Barker.*

POLYGALEÆ.

POLYGALA *L.*

P. vulgaris *L. Milkwort.*

Native. B. Banks, waysides, wood borders. Local. P. May-Sept.

First record, *Pilkington*, 1789.

L. Dovedale; grassy banks up to 350 yards, *B. & N.*, *J.B.* Bradwell, *Painter*, *Nat^t.* Cressbrook Dale. About Matlock, *Glover.* Buxton, *Pilkington.*

G1. Hilly ground about Chinley; between New Mills and Strines; Derwent, near Marebottom Farm.

G2. On quarry refuse, Ashover, *Bailey*, *B.L. Rec.*, 1881, 185. Grindleford, *Painter Nat^t.* Crich Common.

C. Between Tibshelf and Hucknall; in low ground N. of Troway; woods S.E. of Westthorpe; Barlborough Low Common; east of Totley. Pinxton, *Pilkington.*

P. Markland Grips, near Clowne, *Waterfall.* Scarcliffe Park Wood; near The Walls, Whitwell.

T1. Yeldersley, near Ashbourne. Kedleston, *Pilkington.*

T2. Breadsall, not uncommon, but local, *Crewe & Whittaker.*

T3. Common about Calke, *Purchas*, *J.B.* Repton Rocks, *Wild Fl. Rept.*

P. oxyptera *Reichb.*

Native. *EB.* Dry slopes and banks. Locally plentiful. P. May-July.

First record, *Painter*, *J.B.*, 1881.

L. Miller's Dale, *Painter*, *J.B.* Dam Dale, Peak Forest; Longstone Edge; Harborough Rock.

G1. Axe Edge; top of Corbar Hill, Buxton, 400 yards, *Rogers*, *J.B.* Allport Dale.

C. Fritchley; Brackenfield Green.

P. Markland Grips; near Cresswell; Houghton.

P. serpyllacea *Weihe.* *P. depressa* Wender.

Native. B. Heaths, pastures, waysides. Frequent. P. April-Sept.

First record, *Baker*, *J.B.*, 1884.

L. Near Chapel-en-le-Frith, *Rogers*, *J.B.* Near the Reservoir, Buxton, *Green, C.D.* Between Litton Mill and Cressbrook Dale; Miller's Dale, *C.D.* Via Gellia, *Waterfall*, *C.D.* Grassy places up to 300 yards [Matlock], *Baker*, *J.B.* Taddington; Cromford Dale, *Painter*, *Natt.*

G1. Near Westend Farm, *Gibbs.* Near the Snake Inn; Allport Dale; Woodseats, Castleton; Slackhall; Bamford.

G2. Roadside near Fox House Inn, *Gibbs.* Chatsworth, *Bindley.* Abney Clough; Froggatt; east of Bradwell; Hathersage.

C. Between Smeekley Wood and Fox Lane Plantation.

T1. Mickleover, *Bindley.* Hulland Moss; Rodsley, near Longford; Cubley Common.

T2. Morley, *Painter*, *Nat^t.* Near Long Eaton.

T3. Bretby Park; Repton Rocks, *Gibbs.*

CARYOPHYLLEÆ.

DIANTHUS *L.*

*D. Armeria *L.* *Deptford Pink.*

Casual. E. Fields, banks. Very rare. A. July.

First record, *Glover*, 1829.

G2. Edensor, *Glover.*

C. In a seed field, near Renishaw, *Waterfall.*

[The plant from Ednaston, *Smith MSS.*, was an error.]

D. deltoides *L.* *Maiden Pink.*

Native. EI. Rocky slopes, pastures. Rare. P. June-Aug.

First record, *Withering*, 1787.

L. Pastures on the limestone at Glutton, *Garner.* Quarry between Alport and Haddon Hall, *Purchas.* Between Cromford and Kniveton; Bakewell, *Smith MSS.* Upper Haddon, *Hb. Mason!* Plentiful about Winster, *Miss Fenton.* On rock in Litton Dale, near Tideswell, *Bot. Guide.*

G2. Chatsworth, *Smith MSS.* Hills between Bakewell and Chatsworth, *Pilkington.*

C. Codnor Castle.

T1. Quarndon, *Crewe & Whittaker.*

T2. On the road from Derby to Nottingham, *Glover.*

*D. caryophyllus *L.* Casual.

Pilkington, 1789. *D. arenarius.* "Near Edensor."

SAPONARIA *L.*

S. officinalis *L.* *Soap Wort.*

Denizen. E. Banks, waste places. Rare. P. Aug.-Sept.

First record, *Pilkington*, 1789.

G2. Duffield, *Pilkington.*

P. Elmton, *Pilkington.*

T1. Ednaston, Brailsford (mistaken for *D. Armeria*); roadside below the Vicarage, Ashbourne, *Smith MSS.* Roadside between Hulland Knob and Spinnyford Brook.

SILENE *L.*

S. Cucubalus *Wibel.* *Bladder Campion.* *S. inflata* Sm.

Native. A. Banks, waysides, fields. Frequent. P. June-Aug.

First record, *Pilkington*, 1789. *Spattling Poppy.* *White Bottle.*

L. Ascending from Matlock Bridge to Bonsall, *B. & N.*, *J.B.* Ashford; Monsal Dale, *Painter*, *J.B.* Wirksworth; Middleton Dale, *Gibbs.* Ascends to 300 yards, *Rogers*, *J.B.* Miller's Dale, *Barrow.* Bradwell; Brassington.

G1. Derwent Dale; Hope; near Eyam.

G2. Matlock Bank, and hillside, *B. & N.*, *J.B.* Great Hucklow; Froggatt; Hathersage; between Hassop and Baslow; old quarry, Pincham's Hill, Belper; by the Derwent, near Allestree.

C. About Renishaw, *Waterfall.* Eckington, *Gibbs.* Kirk Hallam; Mosbrough; Beighton; Pinxton, *Pilkington.*

P. Cresswell, *Painter, Nat^t.* Elmton; Scarcliffe; Clowne; Palterton.

T1. Mickleover, *Painter, Nat^t.* Old Park, Shirley, Derby; Doveridge, *Pilkington.*

T2. Breadsall, *Crewe & Whittaker.* Long Eaton.

T3. Between Repton and Hartshorn, *Hagger, C.D.* Ticknall, *Purchas, J.B.* Bretby, *Gibbs.* Repton Rocks, *Wild Fl. Rept.* Egginton Common.

Var *puberula* Syme.

L. Very characteristic in Monsal Dale, 200 yards, *Baker, J.B.* At Matlock, at about 200 yards; head of Monk's Dale, 350 yards, *West, J.B.* Growing with *S. inflata genuina* on roadside in the neighbourhood of Bakewell, *Bailey, B.L. Rec.*, 1876, 177.

G2. Whatstandwell, *Hb. Mason!*

P. Roadside near Pleasley, the variety and the type growing together.

S. nutans *L.* *Nottingham Catchfly.*

Native. EG. Limestone rocks. Plentiful locally. P. May-July.

First record, *Withering*, 1787.

L. Miller's Dale, 300 yards, *Baker, J.B.* Chee Dale, *Drabble.* Monsal Dale; Bakewell, *Painter, J.B.* Head of Monk's Dale, 350 yards, *West, J.B.* Middleton Dale, *Carr, C.D.* Buxton rocks; Biggin Dale, near Hartington, *Watson's N.B.G.* Ashford, *Crewe & Whittaker.* Tideswell Dale; Dovedale.

S. noctiflora *L.*

Colonist. EG. Cultivated land. Rare. A. June-Aug.

First record, *N.H. Tutb.*, 1863.

C. Garden weed at Norton Lees, *The Naturalist.*

T1. Near the Lodge, and Copse Hill, Osmaston-by-Ashbourne, *Smith MSS.* Fields by "Holt" Barn, and field off Yeaveley Road, Edlaston, *Miss Sandford.* Hulland; Shirley; fields E. of Church Broughton.

T3. Gresley; Linton, *Painter, J.B.* Bretby Mill, *Hagger, C.D.* White Lees, Ticknall, *Purchas, J.B.* Breach Farm, Cauldwell; Drakelow, *N.H. Tutb.* Foremark Hills, *J.T.H. in Tr. Burton.* Repton Rocks, *Wild Fl. Rept.*

LYCHNIS *L.*

L. alba *Mill.* *White Campion.* *L. vespertina* Sibth.

Native. B. Banks, hedges, cultivated land. Frequent. B. or P. May-Sept.

First record, *Pilkington*, 1789. "*L. dioica. The white not very common.*"

Generally distributed through the County, but scarcely plentiful anywhere.

L. dioica. *L.* *Red Campion.* *L. diurna* Sibth.

Native. B. Hedges, roadsides, woods. Common. P. May-Sept.

First record, *Pilkington*, 1789.

"Ascends to 400 yards at Peveril Castle," *Baker, J.B.* Occurring occasionally with white or very pale flowers, as at Wyaston, Yeldersley, and elsewhere. A plant with both white and pink flowers was seen at Marston Montgomery.

L. Flos-cuculi *L. Ragged Robin. Cuckoo-flower.*

Native. B. Meadows, moist roadsides, marshy places. Common. P. May-Aug.

First record, *Pilkington*, 1789. *Meadow Pinks. Wild Williams.*

Common throughout the County. "Swamps up to 500 yards," *Baker, J.B.*

L. Githago *Scop. Corn Cockle.*

Colonist. B. Arable land. Local. A. June-Aug.

First record, *Pilkington*, 1789. *Agrostemma Githago.*

L. Matlock, *Stevens.* Buxton, *Jewitt.* A cornfield weed up to 400 yards, *Baker, J.B.* Brough, *Painter, Nat^t.*

G2. Between Bakewell and Hathersage, *Milnes, C.D.* Far End, Baslow.

C. About Renishaw, *Waterfall.* Norton, *Painter, Nat^t.*

T1. Mickleover, *Painter, Nat^t.* Yeldersley, near Ashbourne.

T2. Ockbrook; Morley, *Painter, J.B.* Breadsall, &c., common, *Crewe & Whittaker.*

T3. Repton, *Wild. Fl. Rept.* Near Burton-on-Trent, *Painter, J.B.* Calke, *Purchas, J.B.* Near Repton Shrubs; Cauldwell, *Gibbs.*

CERASTIUM *L.*

C. quaternellum *Fenzl. Mœnchia erecta* Ehrh. Top. Bot. "Howitt cat."

Native. E. Heaths, dry waste ground. Very rare. A. May-June.

First record, *Glover*, 1829.

T3. Repton, *Wild Fl. Rept.*

C. semidecandrum *L.*

Native. BE. Walls, rocks, dry roadsides. Local. A. April-June.

First record, *Pilkington*, 1789.

L. Monsal Dale; Matlock Bath, *Painter, J.B.* Dovedale, *Smith MSS.* Lathkil Dale, *The Naturalist.* Chee Dale; Litton Slack; Brassington Rocks.

G1. Axe Edge, *Rogers, J.B.*

G2. Abundant by the roadside near Wrag's Quarry, above Rowsley, 1,000-1,100 feet.

C. Morley Moor, near Horsley Castle, *Glover.*

T2. Breadsall, *Crewe & Whittaker.*

T3. Near Burton-on-Trent, *Painter, J.B.* Near Melbourne? *Purchas, J.B.* Old walls, Repton, *Wild Fl. Repton.*

C. glomeratum *Thuill. Mouse-ear Chickweed. C. viscosum* L.

Native. B. Waste places, fields, waysides. Common. A. April-Aug.

First record, *Glover*, 1829.

Generally distributed. "Roadsides up to 450 yards in Goyt's Clough," *Baker, J.B.* Pilkington (1789) has "*C. tomentosum, Woolly Mouse-ear,*" by which he may possibly have intended this.

C. triviale *Link.* *C. vulgatum* L.

Native. B. Fields, waste places, roadsides, walls. Common. B. or P. April-Sept.

First record, *Pilkington*, 1789.

Throughout the County. "Ascends up to 500 yards," *Baker, J.B.* Large flowered forms occur in fields bordering on the Trent in T2.

C. arvense *L.* *Field Chickweed.*

Native. BE. Sandy soil, dry banks. Local. P. May-July.

First record, *Glover*, 1829.

C. Breadsall Moor, *Whittaker, Phyt.*

P. Between Clowne and Cresswell, *Waterfall, C.D.* Cresswell Crags; Palterton.

T2. Near Long Eaton, *Atkinson, C.D.*

T3. Repton, *Wild Fl. Rept.*

STELLARIA *L.*

S. aquatica *Scop.* *Water Chickweed.* *Malachium aquaticum* Fr.

Native. E. Ditch-sides, damp shady places. Local. P. July-Oct.

First record, *Pilkington*, 1789.

C. Near Eckington, not common, *Waterfall, C.D.* River-bank, Staveley, *Drabble.* The Moss, Mossbrough.

P. In the swampy ground at the east side of Scarcliffe Park Wood.

T1. Mickleover, *Painter, Nat*[t]. Siddals, near Derby, *Pilkington.*

T2. Chaddesden; Osmaston-by-Derby, *Painter, J.B.* Common in ditches about Breadsall; Little Chester, *Crewe & Whittaker.*

T3. Newton Solney, *Painter, J.B.* Near Stapenhill; common in the Trent Valley, *Gibbs.* By the Old Trent, *Rept. F. & F.* Willington, *Nowers.*

S. nemorum *L.* *Wood Stitchwort.*

Native. SI. Woods, brook-sides. Local and rare. P. May-June.

First record, *Glover*, 1829.

L. Eyam Dale, *Watson's N.B.G.*

G1. Stirrup Wood, Charlesworth, *Fl. Ashton.* Wood at Mellor, *Painter, J.B.* Higher Cliff, Strines.

G2. Stand Wood, Chatsworth; Lindup Wood, Rowsley, *Gem of the Peak.* Ecclesbourn Brook, between Shottle and Idridgehay.

C. By R. Rother, near Renishaw, not seen lately, *Waterfall.*

S. media *Cyr.* *Common Chickweed.*

Native. B. Everywhere. Very common. A. Jan.-Dec.

First record, *Pilkington*, 1789. *Alsine media.*

"Common up to 450 yards," *Baker, J.B.*

Var. *Boræana* (Jord.).

L. Dovedale; Miller's Dale.

T3. Newton Solney; Bretby, *Gibbs.*

Var. *major* Koch. Var. *neglecta* Weihe. J.B., 1888, 330.

L. Matlock Bath, *Roberts, C.D.*

T1. Near Sutton-on-the-Hill, *J.E.N. in Tr. Burton.* Between Longford and Boylestone; near Markeaton Brook, below Quarndon.

T2. Lane going down to Thrumpton Ferry; canal side near Spondon.

S. umbrosa *Opiz.*

Native. EB. Hedgebanks, waysides, waste ground. Frequent and abundant. P. March-Aug.

First record, *Purchas, J.B.*, 1885.

L. Hedge-banks, Fenny Bentley, *Purchas, J.B.* High Tor, *Carr.* Near Matlock Bridge, towards Bonsall; Scow Brook, near Hognaston.

G2. Ambergate.

T1. Near the Railway Station, Ashbourne, *Purchas, J.B.* Near Sudbury, *Painter, Natt.* Osmaston-by-Ashbourne; Abbott's Clown Holme; Shirley; Allestree; Snelston; Yeaveley; Cubley; Dalbury; Trusley; the form with hairy pedicels at Brailsford, and Etwall.

T3. Willington, *Nowers.*

S. Holostea *L. Greater Stitchwort.*

Native. B. Hedge-banks, wood borders. Common. P. April-July.

First record, *Pilkington*, 1789.

"Ascends to 350 yards near Buxton," *Rogers, J.B.* "Woods up to 250 yards in Miller's Dale," *Baker, J.B.* Flowering in July at 350 yards under White Edge above Froggatt.

Mr. Purchas reports a form which he found in 1879 on the banks of the Dove between Hollingsclough and the source, in which the petals are scarcely larger than the calyx, looking very unlike the ordinary form.

S. palustris *Retz. S. glauca* With.

Native. EB. Wet meadows, marshes. Rare. P. May-July.

First record, *Glover*, 1829.

T1. Near Bradley Pond, but with a ? *Wright in Smith MSS.*

T2. Breadsall, not common, *Crewe & Whittaker.* In some plenty by a backwater west of Sawley.

T3. Egginton, *Hb. Mason!* In the meadows below Repton, *Bloxam.* Drakelow, *N.H. Tutb.*

S. graminea *L. Lesser Stitchwort.*

Native. B. Banks, pastures, waysides. Common. P. May-Aug.

First record, *Pilkington*, 1789.

Generally distributed and plentiful. "Common up to 500 yards," *Baker, J.B.*

S. uliginosa *Murr. Bog Stitchwort.*

Native. B. Bogs, ditches, wet places. Frequent. P. May-Aug.

First record, *Gisborne*, 1790-5.

Generally distributed. "Swamps up to 550 yards on Axe Edge," *Baker, J.B.*

ARENARIA *L.*

A. verna *L.* *Mountain Sandwort.* *Alsine verna* Bartl.

Native. SI. Rocks, broken ground, mostly among lead mines. Abundant locally. P. May-July.

First record, *Ray*, *Fasc.*, 1688. "*Alsine pusilla, pulchro flore, folio tenuissimo nostras. In Derbyshire on the barren earth they dig out of the shafts of the lead mines near Wirksworth.*"

L. High Cliff, Miller's Dale; Youlgreave, *Bailey*, *C.D.* Cromford and Matlock Bath, *Harris, C.D.* Walls of Peveril Castle, 400 yards, *Baker*, *J.B.* Matlock, High Tor, Masson, Bonsall, *B. & N.*, *J.B.* Lathkil Dale, *Rowland*, *C.D.* Middleton Dale, *Carr*, *C.D.* Peak Forest; Old Moor, 450 yards, *West*, *J.B.* Buxton, *Buxton Guide*. Between Chapel and Castleton, *Barker*. High Rake, Great Hucklow; Sheldon; Longstone Edge; Brook Bottom, Tideswell. In the mountains about Wirksworth, *Magn. Brit. & H.*

G1. S.W. side of Mam Tor.

G2. Milltown, S. of Ashover, *Bailey*, *C.D.* Eyam Moor; Froggatt. Crich, *Pilkington*.

A. tenuifolia *L.* *Alsine tenuifolia* Wahl.

Native. E. Dry stony ground and rocky slopes on limestone. Local and rare. A. June-July.

First record, *Garner*, 1860.

L. On banks at Miller's Dale, *Whitehead*, *B.L. Rec.*, 1875, 119. On a rocky bank near the path in Dovedale; Brassington, *Purchas*, *J.B.* On the railway near Wirksworth Station, *Gibbs*.

A. trinervia *L.*

Native. BE. Hedge-banks, woods, shady places. Common. A. May-July.

First record, *Pilkington*, 1789.

L. Miller's Dale; between Matlock Bath and Bonsall, *C.D.* Buxton, *Rogers*, *J.B.* About Dovedale, *Purchas*. Kirk Dale, Ashford.

G1. Chapel-en-le-Frith, *Rogers*, *J.B.* Near Hope; Chinley.

G2. Baslow, and near Bar Brook; Kelstedge.

C. Smalley; woods S.E. of Westthorpe; Wingerworth; Hardwick Wood; Alfreton; Shirland. S. Normanton, *Pilkington*.

P. Bolsover; Palterton; by Pebley Pond; Dale.

T1. Common about Derby, *C.D.* Mickleover; Findern, *Bindley*. Shirley; Lower Thurvaston; Cubley; Boylestone; Ashbourne.

T3. About Calke, *Purchas*, *J.B.* Repton, *Wild Fl. Rept.*

A. serpyllifolia *L.* *Thyme-leaved Sandwort.*

Native. B. Arable land, walls. Not uncommon. A. June-Oct.

First record, *Pilkington*, 1789.

L. Limestone up to 400 yards above Castleton, *Baker*, *J.B.* Frequent up to 300 yards about Matlock, *B. & N.*, *J.B.* Buxton; Miller's Dale, *Rogers*. Cromford; Wirksworth; Youlgreave, *Gibbs*. Haddon Hall, *Bindley*. Bradwell; Ashford; Beresford Dale.

G1. Edale; Bamford Station.

G2. Bubnell, Baslow; Shottlegate.

C. Near Eckington, *Gibbs*. Marehay, near Ripley; Denby; Dronfield; Crowhole, near Barlow; Holymoorside. S. Normanton, *Pilkington*.

P. Clowne; Elmton; Houghton; Upper Langwith.

T1. Common on walls near Derby, *C.D.* Turnditch; Mickleover, *Painter, Nat^t.* Hulland; Snelston Common.

T2. Breadsall, &c., common, *Crewe & Whittaker*. Near Trent Station; Boyah Grange, Dale; Sawley.

T3. Walls, etc., Calke, *Purchas, J.B.* Cricket field wall, Repton, *Wild Fl. Rept.* Burton, *Hb. Mason!*

Var. *glutinosa* Koch.

L. Pin Dale, near Castleton; Oxlow Rake.

Var. *leptoclados* (Guss.).

L. Frequent up to 300 yards about Matlock, *B. & N., J.B.* Between Miller's Dale and Monsal Dale, in two or three places, *Rogers, J.B.*

T1. Sandy fields south of Hulland.

T2. Weston Cliff, *Purchas*.

T3. Wall, Knowl Hills, *Painter, Nat^t.* Waste gravelly place between Twyford and Findern.

SAGINA *L.*

S. apetala *L. Annual Pearlwort.*

Native. E. Walls, sandy and gravelly ground. Local but frequent. A. May-Aug.

First record, *Glover*, 1829.

L. Courtyard of Haddon Hall; roadside between Buxton and Burbage, 350 yards, *Baker, J.B.* Dovedale, *Purchas*. Matlock, *Stevens*. Kirkdale, Ashford; High Dale, Taddington Dale.

G1. Waste ground, Chapel-en-le-Frith Station; on the old road, near Goyt's Moss.

G2. Wall at Whatstandwell Railway Station, *B. & N., J.B.* Canal banks near Cromford, *Bailey, B.L. Rec.*, 1884-6, 88. Milford; roadside between Curbar and Bar Brook; near Ramsley Reservoir and near Robin Hood's Inn, Baslow; Ashover.

C. On colliery debris, at Marehay, Ripley; Johnnygate, Millthorpe; near Stubbing Court.

P. Near The Walls, Whitwell.

T1. Shirley Vicarage; Yeldersley Lane; near Wyaston; Bradley; Foston.

T2. Breadsall, *Crewe & Whittaker*. Walls, Sawley.

T3. Ticknall, *Purchas*. Near Knowl Hills, *Painter, J.B.* Repton, *Rept. F. & F.* Newton Solney; Drakelow, *N.H. Tutb.* Roadside east of Egginton Common.

Var. *glabra* F. Schultz.

G2. Ambergate, on a wall by the canal, *B.E.C. Rep.*, 1901, 625.

S. ciliata *Fr.*

Native. EB. Dry places, walls. Rare and local. A. June-July.

First record, *Painter*, *J.B.*, 1881.

L. Dovedale, *Purchas.* Waste ground near Buxton Public Gardens, *Rogers*, *J.B.* Monsal Dale; bank of lowest road east of Miller's Dale Station.

G2. Whatstandwell, on walls, *Painter*, *J.B.* Ambergate.

C. Near the Station, Killamarsh; between Codnor Castle and Codnor Park Station; near Crowhole, Barlow; Sheepbridge; between Clod Hall and Bleak House, Old Brampton.

T1. Quarry between Mugginton and Cross o' th' Hands.

T2. Side of Mansfield Road between one and two miles from Derby.

T3. Waste gravelly places by the road between Twyford and Findern.

S. procumbens *L.* *Pearlwort.*

Native. B. Waste ground, walls, paths. Common. P. May-Sept.

First record, *Glover*, 1829.

"Common up to 500 yards," *Baker*, *J.B.*

S. nodosa *Fenzl.* *Knotted Spurrey.*

Native. B. Moist places on heaths, on limestone, sand and peat. Local. P. July-Aug.

First record, *Gisborne*, 1792.

L. Miller's Dale, *Rogers.* Castleton, *Hb. Mason!* About Buxton on the roadsides, *C.D.* Dovedale, between Sharplow and Thorpe Cloud, *Phyt. N.S.*, 1858, 538. Conies Dale, Peak Forest; Oxlow Rake; Taddington; Ashford; Brook Bottom, Tideswell; Great Rocks Dale.

G1. Mellor, *Whitelegg*, *C.D.* Roadside on the moor above Burbage, up to 500 yards, *Baker*, *J.B.* Axe Edge, near the top, *Rogers.*

G2. Eyam Moor; Higger Tor, near Hathersage, 1,400 feet.

T3. Repton Rocks, *Painter*, *J.B.*

SPERGULA *L.*

S. arvensis *L.* *Corn Spurrey.*

Native. B. Arable land, waysides. Frequent. A. June-Sept.

First record, *Pilkington*, 1789.

L. Buxton, *Rogers*, *J.B.* Wirksworth, *Gibbs.* Matlock, *Stevens.* Bolehill, Sheldon; Peak Forest.

G1. Near the Snake Inn; near Dinting; Edale; near Rowarth; Brook Bottom, near New Mills; Bamford Station.

G2. Near Ball Cross, Chatsworth; Ambergate.

C. About Renishaw, *Waterfall.* Killamarsh; Beighton. S. Normanton, *Pilkington.*

P. Cresswell.

T1. Cornfields about Derby, *C.D.* Mickleover, *Painter*, *Nat*^{t}. Shirley; Yeaveley. In a cornfield near Quarndon, *Glover.*

T2. Spondon, *Hassé*, *C.D.* Boyah Grange, Dale. Priory near Breadsall, *Glover.*

T3. Near Repton Shrubs Milton, *Gibbs.* Repton, *Wild Fl. Rept.*

BUDA *Adams.*

B. rubra *Dum. Red Sandwort. Spergularia rubra* Fenzl.

Native. BE. Dry sandy places on heaths, fields, and by roadsides. Local. A. June-Sept.

First record, *Glover*, 1829. *Arenaria rubra.*

G2. Baslow, *Painter, J.B.* Gritstone quarry over the Church, Matlock Bank, 250 yards, *B. & N., J.B.* Firestone Hill, near Hazlewood; Ambergate; Ashover Hay.

C. Between Holymoorside and Beeley, *Drabble.* Stanton Moor, and near Dale, *Hassé, C.D.* Troway; Shipley Hall; Codnor Castle to Codnor Park Station; Nether Loads, Old Brampton.

T1. By the Lodge, Shirley Bridge, *Smith MSS.* Findern, *Gibbs.* Mickleover, and Bearwoodcote; Sapperton; sandy ground east of Church Broughton; about Kedleston Park; Shirley Vicarage.

T2. Ockbrook Lane, *Smith MSS.* Weston Cliff, *Purchas.* Common about Breadsall, *Whittaker, Phyt.*

T3. On walls, but very scarce, Milton and near Foremark, *Purchas, J.B.* Melbourne, *Hassé, C.D.* Bretby, *Gibbs.* Drakelow Park, *Hb. Mason!* Willington; Measham, *Tr. Burton.* Repton, *Rept. F. & F.* Egginton Common; between Twyford and Findern.

PORTULACEÆ.

CLAYTONIA *L.*

***C. sibirica** *L. C. alsinoides* Sims.

Alien. Woods, copses. Rare. A. April-July.

First record, *Baxter*, 1837.

G1. Hayfield, *Alcock in B.E.C. Rep.*, 1871.

G2. In a wood at the summit of Calton Hill, near Bakewell, *Britten, J.B.*, 1875, 237. Chatsworth, *Nowers!* Rowsley, *Gibbs.* Lindup Wood.

This American species was "discovered" in the Edensor woods by Sir Joseph Paxton, or by someone who communicated it to him. The Edensor example was subsequently transmitted to Mr. Baxter, of Oxford, who published it in his "Genera of British Plants." *Phyt. 2nd series*; iii., 191, 1859.

The following by Mr. Borrer is interesting:—"The locality is a mile or more from the Chatsworth gardens, in which, moreover, I was assured that the plant was unknown, until it was brought in from the wood," *Phyt.* V. 47, 1854.

T1. Cultivated ground, Mickleover, purple flowered, *Bindley.*

MONTIA *L.*

M. fontana *L. Water Blinks.*

Native. B. Swamps, wet places, cultivated land. Local. A. or P. April-Aug.

First record, *Pilkington*, 1789.

L. Wirksworth; Buxton, *Pilkington.*

G1. Common in swamps up to 500 yards, *Baker, J.B.* Combes Moss, *Waterfall.* Near Westend Farm, *Gibbs.* Chinley; Mam Tor; near the Snake Inn; Bamford; Stanage Edge.

G2. Tansley Moor, *Stevens.* Abney Clough; Froggatt; Burbage Brook; Umberley Brook, near Chatsworth.

C. Holymoorside, *Drabble.* Pinxton, *Pilkington.* Sutton Scarsdale Ponds.

T1. Shirley, on garden soil; Bradley Brook; laneside, Hilton Common.

T3. Repton Rocks, *Wild Fl. Rept.* Cauldwell, *Painter, J.B.* Linton, *N.H. Tutb.* Bretby, *J.E.N. in Tr. Burton.*

Var. *rivularis* Gmel.

G1. Charlesworth Coombs, *Whitehead, B.L. Rec.*, 1883, 39. Combes Moss, *Waterfall.*

T1. Nether Sturston, near Ashbourne.

HYPERICINEÆ.

HYPERICUM *L.*

H. Androsæmum *L. Tutsan.*

Native? AB. Woods and copses. Very rare. P. July-Aug.

First record, *Glover*, 1829.

G2. Matlock, *Crewe & Whittaker.*

***H. calycinum** *L. Rose of Sharon.*

Alien. Plantations. Very rare. P. July-Oct.

First record, *Rept. F. & F.*, 1881.

L. Lovers' Walk, Matlock Bath, *B. & N., J.B.*

T3. Knowl Hills, *Rept. F. & F.*

H. perforatum *L. St. John's Wort.*

Native. B. Woods, hedge-banks. Common. P. July-Sept.

First record, *Pilkington*, 1789.

L. Buxton; Matlock Bath; Dovedale, *Painter, J.B.* Wirksworth; Via Gellia, *Gibbs.* Common in the limestone dales, 200 and 300 yards, *Baker, J.B.* Bradwell; Comb's Dale, near Calver.

G1. Mellor, *Fl. Ashton.* Mills near Mellor; Bamford.

G2. By Cromford Canal, *Rogers, J.B.* Near Mytham Bridge, by the Derwent; Bramley, near Hassop; Chatsworth.

C. About Renishaw, *Waterfall.* Mapperley; Loscoe; near Norton; by West Hallam Station.

P. Cresswell Crags; Markland Grips, *The Naturalist.* Scarcliffe Woods, *Painter, Nat^t.* Clowne; Elmton; Whitwell.

T1. Brailsford, *Smith MSS.* About Derby, *C.D.* Near Church Broughton, *Gibbs.* Mickleover; near Mugginton, *Painter, Natt.* Shirley; Longford; Cubley Common; Scropton; west side of Kedleston Park.

T2. Breadsall, *Whittaker*, *Phyt.* Near Thrumpton Ferry; Sandiacre; Long Eaton; Risley Park; Sawley Junction.

T3. About Calke, *Purchas*, *J.B.* Bretby, *Gibbs.* Repton, *Wild Fl. Rept.* Rosliston, *Hb. Mason!* Egginton Common.

H. dubium *Leers.* Top. Bot. "Derby."

Native? EB. Bushy damp ground. Very rare. P. July-Aug.

First record, *Glover*, 1829.

L. Buxton, *Buxton Guide.* Matlock, *Watson's N.B.G.*

I have never seen this species in the County, and its nativity may be questionable on the authority of these the only and somewhat antiquated records.

H. quadratum *Stokes.* *H. tetrapterum* Fr.

Native. BE. Stream-sides, ditches, marshes. Not uncommon. P. July-Sept.

First record, *Pilkington*, 1789. *H. quadrangulare.*

L. Blackwell Dale, *C.D.* Wye Valley below Miller's Dale, *Rogers*, *J.B.* By the Wye in Monsal Dale, 200 yards, *Baker*, *J.B.* Via Gellia, *B. & N.*, *J.B.* Brough; Scow Brook, Hognaston.

G1. Chapel-en-le-Frith, *Rogers*, *J.B.* Near the Snake Inn; Hood Brook, Hathersage; Bamford; Chinley; Hague Bar, near New Mills.

G2. Cromford Canal, *Rogers.* Froggatt; near the Derwent, above Allestree.

C. Near Owler Bar, *Gibbs.* Roadside, Totley, towards Sheffield, *Hb. Salt.* West Hallam Station; by large pool, a mile east of Killamarsh; by Pebley Pond; Barlborough Low Common; between Tibshelf and Hucknall; New Stanton.

P. Scarcliffe Park Woods, *Waterfall.* Markland Grips, *The Naturalist.* Cresswell Crags.

T1. Near Mugginton; Mickleover, *Painter*, *Nat^t.* Shirley; Brailsford Brook; Cubley Common; Kedleston Park; Markeaton; Barton Blount; Marston-on-Dove; Sudbury.

T2. Breadsall, &c., *Crewe & Whittaker.* Sandiacre.

T3. Repton, *Wild Fl. Rept.* Repton Rocks; Willington, *Gibbs.*

About Calke, *Purchas*, *J.B.* Rosliston, *Hb. Mason.* By the brook above Egginton.

H. humifusum. *L.* *Creeping St. John's Wort.*

Native. BE. Gravelly fields and banks. Local. P. June-Aug.

First record, *Pilkington*, 1789.

L. Bradwell, *Painter*, *Nat^t.* Buxton, Ashwood Dale, *Jewitt.*

"I do not think I have ever seen *H. humifusum* on limestone," *Purchas*, *J.B.*

The Bradwell locality may perhaps be on shale which lies immediately to the east of the town.

G1. Hadfield; Glossop, *Painter*, *J.B.* Stirrup, *Fl. Ashton.* Chapel-en-le-Frith, *Barrow.* Near the Snake and Ashopton Inns; Edale; Lose Hill; Chinley.

G2. Edensor, *Wild, C.D.* Below Hathersage.

C. Newbold, *Drabble.* Near Dale Church, *Smith, MSS.* Wingerworth; Cutthorpe, Brampton; near Tibshelf; Brackenfield Green; Crowhole, near Barlow. Pinxton; Gorsy Close, near Coxbench, *Pilkington.*

T1. Copse Hill, Osmaston-by-Ashbourne, *Smith MSS.* Mickleover, *Painter, Nat*^{t}. Shirley; Church Broughton; between Yeaveley and Cubley.

T2. Breadsall, *Whittaker, Phyt.*

T3. About Calke, *Purchas, J.B.* Burton-on-Trent, *Painter, J.B.* Bretby, *Gibbs.* Near Repton Rocks, *Wild Fl. Rept.* Breach Farm, Cauldwell, *N.H. Tutb.* Drakelow, *F.L. in Tr. Burton.* Egginton Common.

H. pulchrum. *L.*

Native. B. Heathland, hedgebanks. Frequent. P. June-Sept.

First record, *Pilkington*, 1789.

L. Buxton; Bonsall, *Rogers.* Miller's Dale; Dovedale, *Painter, J.B.* Via Gellia, *Gibbs.* Dale Head, Wheston; Great Rocks Dale; Conies Dale, Peak Forest; Hartle Dale, Bradwell.

G1. Up to 450 yards in Goyt's Clough, *Baker, J.B.* Mellor, *Painter, J.B.* Chapel-en-le-Frith, *Rogers.* Chinley; near the Snake Inn; Ollerbrook, Edale; near Eyam; Bamford; by R. Sett, Hayfield.

G2. Gritstone Quarry, over Matlock Bank, *B. & N., J.B.* Ambergate; Cromford Moor, *Phyt.* 1858, 610. Abney; Eyam Moor; east of Bradwell; Froggatt; between Scow Brook and Kirk Ireton.

C. Stanton; Dale, *Hassé, C.D.* Salter Wood, near Ripley; West Hallam Station; Loscoe; Killamarsh; Westthorpe; between Tibshelf and Hucknall. Pinxton; Gorsy Close, near Coxbench, *Pilkington.*

P. Cresswell, *Gibbs.* Bolsover; Langwith Wood.

T1. Etwall, *Gibbs.* Mickleover, *Painter, Nat*^{t}. Shirley; Cubley Common; Church Broughton; Dalebrook, Sudbury; Burnaston. Allestree, *Pilkington.*

T2. Spondon, *Hassé, C.D.* Breadsall, *Whittaker, Phyt.*

T3. About Calke, *Purchas, J.B.* Near Repton Rocks, *Wild Fl. Rept.* About Burton-on-Trent, *Painter, J.B.* Repton, *Hb. Mason!* Egginton Common.

H. hirsutum *L. Hairy St. John's Wort.*

Native. BE. Woods and hedges, preferring dry soil. Common, except in the north of the County. P. July-Sept.

First record, *Pilkington*, 1789.

L. Common in the limestone dales, 200-350 yards, *Baker, J.B.* Via Gellia, Matlock Tor, and other limestone woods, *B. & N., J.B.* Buxton, *Buxton Guide.* Miller's Dale, *Nowers.* Brassington Rocks, *Gibbs.* Conies Dale, Peak Forest; Bradwell; Ashford.

G2. By Cromford Canal, *Rogers.* Ambergate, *Phyt.* 1858, 610. Between Hassop and Baslow.

C. Codnor; New Stanton; West Hallam Station; Barlborough; Newton Wood.

P. Cresswell Crags, *The Naturalist.* Markland Grips; Scarcliffe Park Wood; Langwith Wood.

T1. Doveridge, *Gibbs*. Mickleover, *Painter*, *Nat*^{t}. Between Osmaston and Sinfin Moor; about Kedleston Park; Shirley; Longford; Abbott's Clowne Holme.

T2. Spondon, *Hassé*, *C.D.* Breadsall, *Whittaker*, *Phyt.* Risley Park.

T3. Bretby; Cauldwell, *Gibbs*. Burton; Stapenhill, *Hb. Mason!* Calke, *Bloxam*. Repton, *Rept. F. & F.* Egginton Common.

H. montanum *L.*

Native. E. Woods, cliffs, banks, on limestone. Local. P. July-Sept.

First record, *Jewitt*, 1811.

L. Duke's Drive, Buxton, *Rogers*, *J.B.* Same locality, 300-350 yards, *Baker*, *J.B.* Monk's Dale, 350 yards, *West*, *J.B.* Between Wormhill and Tideswell, *West*, *B.L. Rec.*, 1878, 15. Near Matlock, *Purton*. Dovedale, *Purchas*, *J.B.* Near Hartington, *Painter*, *Nat*^{t}. Hay Dale, near Wheston.

G2. Crich Quarry, *Smith MSS.*

T3. Ticknall Quarry, *Rept. F. & F.* Stapenhill; Winshill, *N.H. Tutb.*

H. elodes *L.* *Marsh St. John's Wort.* Top. Bot. "Whittaker sp."

Native. AE. Bogs and marshes. Very rare. P. June-Aug.

First record, *Glover*, 1829. Also *Watson*, *Cyb. Brit.*, 1852.

G2. Tansley Moor, used to be common before the enclosure, *Crewe & Whittaker*.

MALVACEÆ.

MALVA *L.*

M. moschata *L.* *Musk Mallow.*

Native. EB. Fields, waysides. Local. P. June-Aug.

First record, *Withering*, 1787.

L. Matlock, 200 yards, *West*, *J.B.* Lathkil Dale, *Rowland*, *C.D.* Dovedale; Via Gellia, *B. & N.*, *J.B.* Hassop, *Painter*, *J.B.* Brassington Rocks, *Gibbs*. Thorpe, *Bindley*.

G1. Hathersage.

G2. Chatsworth, *Scrimshaw*, *C.D.* Cromford Canal, Whatstandwell, *B. & N.*, *J.B.* Great Longstone, 300 yards; Bramley, near Hassop; Birchill Bank, Baslow; Ashover. Duffield, *Pilkington*.

C. Near Renishaw, *Waterfall*. Stanton Moor, *Hassé*, *C.D.* Barlow Brook; Westthorpe; Millthorpe, near Holmesfield; Wingerworth; Sutton Scarsdale; Duckmanton. Dale Abbey, *Glover*.

T1. Near Somershall, *Gibbs*. Palmer Moor, Sudbury; Shirley; Yeaveley; Snelston Common. Allestree, *Pilkington*.

T1. Morley, *Whittaker*, *C.D.* Spondon; Breadsall, *Hassé*, *C.D.* Shardlow, *Glover*.

T3. Foremark Fields, Bretby, *Hagger*, *C.D.* Dimminsdale, Calke; Stanton-by-Bridge, *Purchas*, *J.B.* Bladon, *Hb. Mason!* Drakelow, *N.H. Tutb.* Gresley, *Tr. Burton*. Repton, *Wild Fl. Rept.*

M. silvestris *L. Common Mallow.*

Native. BE. Roadsides, waste places. Frequent. P. June-Sept.

First record, *Pilkington*, 1789. *Mauls.*

L. Matlock Bath, *Rowland*, *C.D.* Foot of cliffs in Monsal Dale, 250 yards; Cromford, near houses, perhaps introduced, *B. & N.*, *J.B.* Summit of Thorpe Cloud, Dovedale, *Purchas*, *J.B.* Bradwell, *Painter*, *Nat^t.* Beresford Dale; Ashford; Stony Middleton.

G2. Crich, *Painter*, *J.B.* Bramley, near Hassop; Beeley; Fallgate, Ashover.

C. By Killamarsh Station.

T1. Mickleover, *Painter*, *Nat^t.* Findern, *Bindley.* Shirley; Hatton; Aston; Sudbury; Foston. On the Kedleston Road, near Markeaton, *Glover.*

T2. Ockbrook, *Hassé*, *C.D.* Breadsall, *Crewe & Whittaker.* Trent Lock; Sandiacre; Wilsthorpe, near Long Eaton.

T3. Stapenhill, *Harris*, *C.D.* Near Calke, *Purchas*, *J.B.* Swarkeston, *Painter*, *J.B.* Repton, *Wild Fl. Rept.* Near Willington, *Gibbs.*

M. rotundifolia. *L. Dwarf Mallow.*

Native. BE. Waste Places, roadsides. Frequent. P. June-Sept.

First record, *Pilkington*, 1789.

L. Matlock Bath, *Rowland*, *C.D.* Cromford, perhaps introduced, *B. & N.*, *J.B.* Miller's Dale, *Painter*, *J.B.*

C. Beighton; near Ashgate Plantation, New Brampton; near Clay Cross Station.

P. Cresswell Crags; Markland Grips.

T1. Lane near Wyaston Grove, Edlaston, *Miss Sandford.* Allestree, *Crewe & Whittaker.* Mickleover, *Painter*, *Nat^t.* Shirley; Cubley; Scropton. Normanton, *Pilkington.*

T2. Chaddesden, *Hassé*, *C.D.* Breadsall, *Crewe & Whittaker.* By the Inn, Spondon; Sawley.

T3. Near Calke, *Purchas*, *J.B.* Willington; Milton, *Painter*, *J.B. & Nat^t.* Repton, *Wild Fl. Rept.* Stapenhill, *N.H. Tutb.* Swarkeston, *Bloxam.*

***M. parviflora.** *L.*

Alien. *Pilkington*, 1789.

C. Pinxton, *Pilkington.*

TILIACEÆ.

TILIA *L.*

T. platyphyllos *Scop. Large-leaved Lime. T. grandifolia* Ehrh.

Native on limestone cliffs, alien elsewhere. EL. Woods, plantations. Rare.

T. June.

First record, *Smith MSS.*, 1871-81.

L. By the R. Derwent, at Matlock Bath, *B. & N.*, *J.B.* Wirksworth, *Gibbs.* High Tor, Matlock, *B.E.C. Rep.*, 1893, 404.

G2. Roadside at Whatstandwell, *B. & N.*, *J.B.*

P. Pleasley Vale, truly wild, *Carr.*

T1. Mickleover, *Painter*, *Nat^t.*

T2. Dale Woods, *Smith MSS.*

T3. Calke Park, planted, *Purchas*, *J.B.* Burton, *Hb. Mason!*

*T. **vulgaris** *Hayne. Lime. Linden. T. intermedia* DC.

Alien. Planted, unless possibly native on limestone. Common. T. July.

First record, *Pilkington*, 1789. *T. europæa.*

L. Matlock Tor, *B. & N.*, *J.B.* Chelmorton, probably planted, *C.D.* Wirksworth, *Gibbs.* "There are one or two scrubby bushes of either *T. grandifolia* or *T. intermedia*—it would not be safe to say which—at an elevation of over 1,000 feet, on one of the cliffs in Dovedale. It is difficult to suppose it other than wild," *Purchas*, *J.B.* Carsington.

P. Pleasley Park, *Pilkington.*

T1. Mickleover, *Painter*, *Nat^t.* Shirley Wood; near Sinfin Moor.

T3. Repton Churchyard, planted, *C.D.* Bretby, *Gibbs.* Burton, *Hb. Mason!* A very fine avenue at Brizlincote, *Glover.*

T. **cordata** *Mill. Small-leaved Lime. T. parvifolia* Ehrh. *T. ulmifolia* Scop. Top. Bot. "Church. Bab. MS."

Native or denizen. E. Woods, groves. Rare. T. July-Aug.

First record, *Mag. Nat. Hist.*, 1829-35.

L. Wirksworth, *Gibbs.* Cromford; Carsington; King's Sterndale.

G2. Hill above the village of Matlock, *Phyt.*, 1858, 610 (*i.e.*, opposite side of the river from Matlock Bath, *Mag. Nat. Hist.*). Baslow Churchyard.

C. The Hague, Renishaw, planted, *Waterfall.* Fritchley.

T1. Boylestone Churchyard, planted, *Gibbs.* Mickleover, *Painter*, *Nat^t.* Mackworth; near Ednaston Hall.

T3. Calke Park, probably planted, *Purchas*, *J.B.*

LINEÆ.

LINUM *L.*

L. catharticum. *L. Purging Flax.*

Native. B. Pastures, heaths. Common. A. June-Sept.

First record, *Pilkington*, 1789.

L. Up to 350 yards about Matlock, *B. & N.*, *J.B.* Miller's Dale, *Rogers.* Wirksworth, *Gibbs.* Haddon, *Bindley.* Buxton; Ashford; Harborough Rock.

G1. Common up to 500 yards [Axe Edge], *Baker*, *J.B.* Near the Reservoir, Chapel-en-le-Frith, *Barker.* Bamford; Edale.

G2. Near Fox House, *Gibbs.* Near Owler Tor; Froggatt; Baslow.

C. Totley Moss, 1,200 feet; by West Hallam Station; Marehay, near Ripley; New Stanton; Loscoe; Dronfield; Spink Hill, near Eckington. Pinxton, *Pilkington.*

P. Houghton; near Shirebrook; The Walls, Whitwell.

T1. Etwall, *Gibbs*. Mickleover, *Bindley*. Shirley; Rodsley, &c. Betwixt Derby and Radbourn, *Pilkington*.

T2. Rough pastures, Breadsall, &c., *Crewe & Whittaker*. Sandiacre; Risley Park.

T3. Common about Calke, *Purchas, J.B.* Bretby, *Gibbs*. Near Burton, *Hb. Mason*. Near Repton Rocks, *Wild Fl. Rept.* Knowl Hills, *Bindley*.

***L. perenne** *L.*

Casual? *Buxton Guide*, 1854.

***L. angustifolium** *Huds.*

Casual. AE.

C. Railway siding, Renishaw, *Painter, Nat^t.*

T1. Between Willington and Etwall, *Rept. F. & F.*

***L. usitatissimum** *L. Common Flax.*

Alien. Here and there on cultivated and waste land.

First record, *Pilkington*, 1789.

L. A few plants by the roadside, Matlock, *B. & N., J.B.* Between Matlock and Snitterton, *Stevens*. Cornfields, Wormhill, *West, C.D.* Great Rocks Dale; near Peak Forest Station.

G2. Roadside between Rowsley and Haddon, *Miss Armitage*. Cornfield by the lane from Baslow to Hassop.

C. Cornfield at Millhouses, *The Naturalist*. Spital, Chesterfield, *Drabble*. By Beauchief Abbey. Pinxton, *Pilkington*.

P. Bolsover.

T2. Fields at Breadsall, occasionally, *Crewe & Whittaker*.

T3. Repton, *Rept. F. & F.*

GERANIACEÆ.

GERANIUM *L.*

G. sanguineum *L. Bloody Crane's-bill.*

Native. B? Limestone rocks and slopes. Rare. July-Aug.

First record, *Withering*, 1787.

L. Miller's Dale; Monk's Dale; Cressbrook Dale, *Painter, J.B.* Chee Dale, *Drabble*. Monsal Dale, *Whittaker, C.D.* Ascends to 300 yards, *Rogers*. One weakly root of this on a rock north of Hartington, *Purchas, J.B.* Below Beresford Dale, *Fyldes*. Deep Dale, *Hb. Mason!* Great Rocks Dale. Opposite Haddon Hall, *Glover*. Near Buxton, *Withering*. Matlock, *Hb. Bicheno*.

***G. phœum** *L.*

Alien. Jewitt, 1811.

L. Matlock Bath, *Rowland, C.D.* Near Mockdale, Buxton, on road to Tideswell, *Jewitt*.

G2. Baslow, *Gem of the Peak*.

T2. By side of the lane leading from Morley to Stanley; and naturalised in bushy places in the Rectory grounds at Morley, *Whittaker, B.L. Rec.*, 1875, 140.

T3. Calke, *Candler, C.D.*

G. silvaticum *L.* *Wood Crane's-bill.*

Native? S. Woods in mountain districts. Very rare. P. June-July.

First record, *Jewitt*, 1811. Top. Bot. "Derby."

L. In a wood at the foot of the zig-zag walk, Matlock, *Glover.* Near Buxton, in Ashwood Dale, *Jewitt.*

G2. About Chatsworth, *Gem of the Peak.*

G. pratense *L.* *Meadow Crane's-bill.*

Native. BE. Meadows, lane-sides, river-banks. Frequent. P. June-Aug.

First record, *Pilkington*, 1789.

L. Wormhill, 350-400 yards, *West, J.B.* Buxton; Miller's Dale; near Cressbrook School Chapel; Bonsall; Via Gellia, *Rogers.* Matlock Bath, *Miss Armitage.* Wirksworth; Middleton Dale; Lathkil Dale, *Gibbs.* White-flowered, Alport, *Drabble.* Dovedale, *Bot. Guide.* Near Cover (Calver), *Hb. Salt.* Wheston; Bradwell; Ashford.

G1. Between Whaley Bridge and Buxton, *Barker.* By the Derwent, near Yorkshire Bridge.

G2. Rowsley; Chatsworth; Baslow, *Gibbs.* Froggatt; Grindleford Bridge, and by White Edge Moss; near Fox House Inn; Great Hucklow.

C. About Renishaw, *Waterfall.* Railway bank near Eckington, *Gibbs.* Canal side north of Chesterfield; near the Peacock Inn, 1,100 ft.

P. Langwith Wood; Whaley Mill, Bolsover.

T1. Common about Derby, *C.D.* Findern, *Bindley.* Doveridge; Etwall; Boylestone, *Gibbs.* Dobbin Horse Lane, Clifton; Dalbury; Trusley; Marston-on-Dove; Kedleston Park; Markeaton; Allestree.

T2. Breadsall Common; a white-flowered variety occasionally occurs, *Whittaker, Phyt.* Canal side near Spondon; Long Eaton; Elvaston.

T3. Calke, *Purchas, J.B.* Drakelow; Cauldwell, *Gibbs.* Swarkeston, *Painter, Nat^t.* Osier beds, Repton, *Wild Fl. Rept.* Foremark, *Bindley.*

G. pyrenaicum *Burm. fil.*

Native? E. Waysides, banks. Local and rare. P. June-Sept.

First record, *Bot. Guide*, 1805.

L. Hassop, *Painter, J.B.* In Litton and Monsal Dales, near Tideswell, *Bot. Guide.*

G2. Neighbourhood of Baslow, in great plenty, *Phyt.*, 1861, 383.

T1. Apparently wild in Copse Hill Gardens, Osmaston-by-Ashbourne, *Smith MSS.* Markeaton Road, *Glover.*

T3. Stapenhill, *Harris, C.D.*

G. molle *L.* *Common or Dove's foot Crane's-bill.*

Native. B. Fields, waysides, waste places. Common. A. May-Sept.

First record, *Pilkington*, 1789.

"Frequent. Ascending to 400 yards over Castleton," *Baker, J.B.*

White flowered by the Canal near Trent Lock (T2).

G. pusillum *L.*

Native. EB. Field borders, waste ground, banks. Locally plentiful. A. May-Sept.

First record, *Jewitt*, 1811.

L. Dovedale, *Nowers*. Ashwood Dale, Buxton, *Jewitt*.

C. Near Norton Lees, *The Naturalist*.

P. Cresswell, *The Naturalist*.

T1. Limestone pits, Roston Common, *Smith MSS*. Findern, *Bindley*. Roadside near Yeldersley Hall, casual.

T2. Abundant along the canal path about Trent Lock and Long Eaton.

T3. About Calke, *Purchas, J.B.* Milton, *Gibbs*. Rosliston, *Hb. Mason!* Repton, *Wild Fl. Rept*. Stapenhill, *N.H. Tutb*. Egginton.

G. rotundifolium *L.*

Native? Casual? E.

Pilkington, 1789.

L. Ashwood Dale, *Jewitt*.

T1. Derby, *Pilkington*. On a dry bank on the Markeaton Road, *Glover*. Among clover, Osmaston-by-Ashbourne, *Smith MSS*.

T3. Burton Road, Repton, *Rept. F. & F.*

G. dissectum *L.* *Dove's Foot.*

Native. B. Cultivated land, waysides. Common. A. or B. June-Sept.

First record, *Pilkington*, 1789.

L. Wye Valley up to the foot of Chee Tor, 250 yards, *Baker, J.B.* About Dovedale, *Purchas*. Ashwood Dale, Buxton, *Jewitt*. Beresford Dale; Oaker Hill, Wensley.

G1. Chapel-en-le-Frith, *Rogers*. Chinley; Bamford.

C. Millthorpe, near Holmesfield; Shirland. Pinxton, *Pilkington*.

P. Upper Langwith.

T1. Alkmonton; Sudbury; Bradley, and Atlow; Sinfin Moor, below Derby.

T2. Breadsall, &c., *Crewe & Whittaker*. Thrumpton Ferry, and Trent Lock; Sawley; Great Wilne.

T3. Calke, *Purchas, J.B.* Newton Road, *Hb. Mason!* Repton, *Wild Fl. Rept*. Egginton Common.

G. columbinum *L.*

Native. EB. Rocky slopes, stony bushy places, on limestone. Local. A. June-Sept.

First record, *Pilkington*, 1789.

L. Miller's Dale, *Painter, J.B.* Chee Dale; Taddington Wood, *Baker, J.B.* Wormhill, *West, J.B.* Matlock Bath, *Crewe & Whittaker*. Dovedale. Middleton Dale, *Pilkington*. Ashwood Dale, Buxton, *Jewitt*.

G2. Old limestone quarry, Ashover.

T3. Burton Road, *Wild Fl. Rept*.

G. lucidum *L.*

Native. BE. Walls, rocks, banks, most abundant on limestone. Local. A. May-Aug.

First record, *Martyn in Phil. Trans. XXXVI.;* 1729. *Geranium saxatile.*

L. Miller's Dale, *Painter, J.B.* With white flowers, Dovedale, *Smith MSS.* Common on walls and rocks in the limestone dales, 200-350 yards, *Baker, J.B.* Via Gellia, *B. & N., J.B.* Hassop; Middleton Dale; Youlgreave, *Gibbs.* Near Calver, *Hb. Salt.* Cromford; Alsop-le-dale, *Gisborne.* Haddon, *Bindley.* Great Rocks Dale; Ashford; Bradwell; Hopton.

G1. Slackhall, near Chapel.

G2. Rowsley, *Gibbs.* Great Longstone; Fallgate, Ashover. Dethick, *Pilkington.*

C. Norton, *Hb. Salt.* Wingfield Manor, *Glover.*

P. Pleasley Park, *Pilkington.*

T2. Breadsall, *Whittaker, C.D.* Risley, *Hassé, C.D.* Draycott, *Tr. Burton.*

T3. Doubtfully wild on the garden wall of a farmhouse at Pistern Hill, *Purchas, J.B.* Bretby, *Painter, J.B.* Rocks at Anchor Church, near Foremark, *Wild Fl. Rept.* Cricket field wall, *Rept. F. & F.*

G. Robertianum *L. Herb Robert.*

Native. B. Banks, waysides, woods. Common. B. May-Sept.

First record, *Pilkington,* 1789.

"Common up to 350 yards," *Baker, J.B.*

ERODIUM L'HÉRIT.

E. cicutarium *L'Hérit. Stork's Bill.*

Native. B. Fields and waysides on sand. Rather rare. A. May-Aug.

First record, *Pilkington,* 1789. *Geranium cicutarium.*

L. Dovedale, *Rowland, C.D.* Thorpe Cloud, *Macefield, C.D.* Ashwood Dale, Buxton, *Jewitt.* Middleton Dale, *Pilkington.*

G1. Charlesworth, *Fl. Ashton.*

G2. Baslow, *Gem of the Peak.*

C. College Meadow, The Hague, Renishaw, *Waterfall, C.D.* Breadsall Moor, *Crewe & Whittaker.*

P. Cresswell Crags, *Waterfall, C.D.*

T1. Shirley, a casual.

T2. Weston, *Hassé, C.D.* Sandiacre, *Trent, C.M.*

T3. Near Calke Abbey, *Purchas, J.B.* Foremark; Stanton-by-Bridge, *Painter, J.B.* Near Repton Rocks, *Wild Fl. Rept.*

OXALIS *L.*

O. Acetosella *L. Wood Sorrel.*

Native. B. Hedge-banks, woods. Frequent. P. April-July.

First record, *Pilkington,* 1789.

Generally distributed. "Common up to 350 yards," *Baker, J.B.*

*O. stricta *L.* Casual.

T1. Cultivated ground, Etwall, *Bindley.*

*Impatiens Noli-tangere *L.* *Touch-me-not.*

Casual. Top. Bot. 1874, 608. "Howitt Cat."

T1. Once seen near the Cottage, in Osmaston Park, *Smith MSS.*

*I. parviflora *DC.*

Casual. L.

L. A few plants in Cromford Dale, *B. & N., J.B.* Matlock Bath, *Painter, J.B.!* Heights of Abraham, *Miss Armitage.*

T2. In garden ground at Ockbrook, *Smith MSS.*

ILICINEÆ.

ILEX *L.*

I. Aquifolium *L.* *Holly.*

Native. B. Woods and hedges. Common. T. April-June.

First record, *Pilkington*, 1789.

"Frequent up to 350 yards," *Baker, J.B.* Jaggers Clough, Kinderscout, at 550 yards.

CELASTRINEÆ.

EUONYMUS *L.*

E. europæus *L.* *Spindle Tree.*

Native. E. Hedges, woods, &c. Local. S. May-June.

First record, *Pilkington*, 1789. *Gutteridge Tree. Louse Berry.*

L. Via Gellia, and Matlock Tor, *B. & N., J.B.* Limestone cliffs up to 400 yards over Castleton, native, *Baker, J.B.* Dovedale, in very small quantity, *Purchas, J.B.* Miller's Dale; Cressbrook Dale, *Painter, J.B.* Brassington Rocks, *Gibbs.* Great Shacklow Wood, Ashford.

G2. Wood near Lea, *Milnes, C.D.*

C. Duckmanton, near Chesterfield.

P. Cresswell Crags; Whitwell, *The Naturalist.* Steetly, *Painter, Nat^l.* Clowne, and Markland Grips.

T1. Hedges above Clifton, *Smith, MSS.* Shirley.

T3. Drakelow, *Hb. Mason!* Winshill, *Painter, J.B.* Repton Rocks, *Wild Fl. Rept.*

RHAMNEÆ.

RHAMNUS *L.*

R. catharticus *L.* *Buckthorn.*

Native. E. Woods, thickets, hedges. Rather local. S. May-July.

First record, *Pilkington*, 1789.

L. Limestone cliffs in Miller's Dale up to 300 yards, *Baker, J.B.* At 350 yards between Miller's Dale Station and Wormhill in several places, *West, J.B.* Cressbrook Dale; Matlock; Dovedale, *Painter, J.B.* Via Gellia, and hillside east of Bonsall, *B. & N., J.B.* Buxton rocks, *Watson's N.B.G.* Brassington rocks, *Gibbs.* Hartle Dale, Bradwell; Dirtlow Rake, 1,100 feet.

G2. Hedges on the Duffield Road, *Glover.*

C. Between Stanton and Dale Abbey, *Painter, J.B. & Nat^t.* Near the Hague, Renishaw, *Waterfall.* Near Killamarsh.

P. Markland Grips, *The Naturalist.* Cresswell Crags; Bolsover; Scarcliffe; Langwith Wood.

T1. Sudbury, *Hb. Mason!* Mickleover, *Painter, Nat^t.* Shirley; by Bradley Brook; Barton Fields.

T2. Hedge at Ockbrook, *Smith MSS.* Breadsall, *Painter, J.B.*

T3. Between Drakelow and Walton, *N.H. Tutb.*

R. Frangula *L. Berry-bearing Alder.*

Native. E. Woods, thickets, hedges. Local. S. May-July.

First record, *Pilkington*, 1789.

G2. Froggatt.

C. Breadsall Moor, *Whittaker, Phyt.* Horsley Car, *Whittaker, C.D.* Coxbench, *Watson's N.B.G.* Near Renishaw, *Waterfall, C.D.* The Moss, Mossbrough.

P. Markland Grips, *The Naturalist.* Scarcliffe Park Wood. Glapwell, *Pilkington.*

T1. Drabble Car, Bradley Brook.

T3. Repton Shrubs; Foremark Bottoms, *Gibbs.* Drakelow, *Painter, J.B.*

SAPINDACEÆ.

ACER *L.*

***A. pseudo-platanus** *L. Sycamore.*

Alien. Woods, hedges. Frequent, especially abundant in the north of the County. T. May-June.

First record, *Pilkington*, 1789.

L. One of the commonest trees of the [Buxton] district, up to 450 yards, and often self-sown, *Baker, J.B.* Common about Matlock in woods; Dovedale, *B. & N., J.B.* Pindale, near Castleton.

G1. Very common about Chapel, Chinley, and Hayfield; Bamford; Hathersage.

G2. Noticed at Shatton.

C. Near Killamarsh; Duckmanton; Dale.

P. Bolsover; Langwith Wood.

T1. Mickleover, *Bindley.* Barton Blount; Shirley; Hulland.

T2. Elvaston.

T3. Calke, *Bloxam.* Parson's Hills, Repton, *Wild Fl. Rept.*

A. campestre *L. Maple.*

Native. E. Hedges, woods. Frequent, except in the north of the County. T. May-June.

First record, *Pilkington*, 1789.

L. Common in the limestone dales up to 350 yards, *Baker, J.B.* Via Gellia; Bonsall, *Rogers.* Common at Matlock, *Stevens.* Ashford Dale; Miller's Dale; Dovedale, *Painter, J.B.* By Scow Brook, Kirk Ireton.

G1. Rare in this district; seen near Bowden Hall, Chapel; Hathersage.

G2. Rowsley, *Rogers.* Between Hassop and Baslow.

C. About Renishaw, *Waterfall.* Stanton-by-Dale, *Painter, Nat^t.* Near West Hallam Station; Denby; Sutton. Pinxton, *Pilkington.*

P. Elmton; Palterton; Langwith Wood.

T1. About Derby, *C.D.* Mickleover, *Bindley.* Bradley; Shirley; about Cubley; Barton Fields; Allestree.

T2. Breadsall, &c., *Crewe & Whittaker.*

T3. Woods, &c., Calke, *Purchas, J.B.* About Burton-on-Trent, *Painter, J.B.* Repton, *Wild Fl. Rept.*

Var. *leiocarpon* Wallr.

L. Monsal Dale.

C. Alfreton.

LEGUMINOSÆ.

GENISTA *L.*

G. anglica *L. Needle Furze. Petty Whin.*

Native. BE. Heaths, peaty coarse pastures. Rare. S. June-July.

First record, *Pilkington*, 1789.

G1. Old Buxton Road, near Wythen Lache; along the old road between Fernilee Hamlet and Coombs, *Barker.* Ladybower, Edale.

G2. Tansley Moor, 300 yards, among the heather, *B. & N., J.B.* Baslow, half a mile towards Sheffield, *Gem of the Peak.* Beeley Moor, near Rowsley, *Scrimshaw, C.D.* Cromford Moor, *Phyt.*, 1858, 610.

C. Pinxton, *Pilkington.* Formerly on Breadsall Moor, now extinct, *Whittaker, C.D.*

T1. Old moorland, by Bradley Brook.

T3. Willington, *W.G. in Tr. Burton.* Near the pastures, Egginton, *Glover.*

G. tinctoria *L. Dyers' Green-weed.*

Native. E. Hedges, rough pastures, field borders. Local and frequent. S. July-Aug.

First record, *Pilkington*, 1789.

L. Matlock Bath, 200 yards, *West, J.B.* Near Grange Mill, *Purchas.* Brassington Rocks, *Gibbs.* Hartle Dale, Bradwell; near Wensley, on shale.

G1. Strines, *Barrow.* Upper Hurst Brook, Bamford; Hathersage.

G2. Wirksworth; Alderwasley, *Gibbs.* Great Hucklow; Froggatt; Curbar. Baslow, *Pilkington.*

C. Breadsall Moor, *Whittaker*, *Phyt.* Stanton-by-Dale, *Painter*, *Natt.* Haythorne Hill, between Eckington and Staveley, *Waterfall.* Near Norton, *The Naturalist.* Spital, and Linacre, near Chesterfield, *Drabble.* Cordwell, near Unthank; east side of Totley; Barlborough Low Common. Coxbench Wood, *Pilkington.*

T1. Etwall, *Gibbs.* Mickleover, *Painter*, *Nat*[t]. Normanton, *F.L. in Tr. Burton.* Bradley; between Wyaston and Hales Green, three fields full of it; Nether Biggin; between Cubley Common and Stydd; Marston Montgomery, and Wardley; Meynell Langley.

T2. Ockbrook, *Smith MSS.* Dale Moor; Sandiacre.

ULEX *L.*

U. europæus *L.* *Gorse.* *Furze.*

Native. B. Heaths, hedges, hilly pastures. Frequent. S. Feb.-April, Sept.

First record, *Pilkington*, 1789.

General throughout the County. "Up to 400 yards above Burbage." *Baker*, *J.B.* 350-400 yards at Wormhill, *West*, *J.B.* Avoids the limestone, *Stevens.*

U. Gallii *Planch.*

Native. E. Heaths, commons, way-sides. Rather local. S. July-Oct.

First record, *Glover*, 1829.

L. Matlock Tor, *Rogers.* Masson Hill, *Miss Armitage.* Miller's Dale; Coomb's Dale, Calver; Longstone Edge. "Not excluded from parts of the limestone banks, though preferring gritstone," *Purchas*, *J.B.*

G1. Corbar Hill, Buxton, 400 yards, *Rogers*, *J.B.* Goyt's Bridge, and near Combes Moss, *C.D.* Chapel-en-le-Frith, *Rogers.* Near Glossop; Hayfield, *Fl. Ashton.* Eccles Pike; Win Hill; Allport Dale.

G2. On the gritstone at all levels from the railway side at Whatstandwell up to 300 yards; very fine on Tansley Moor, *B. & N.*, *J.B.* Darley Moor, *Carr.* Crich, *Nowers.* Cromford Canal, *Rogers.* Wirksworth, *Gibbs.* Otterdale; Burbage Brook; by Hathersage; Froggatt; east of Bradwell; Eyam Moor; Great Hucklow; Dethick Common.

C. Breadsall Moor, abundant, *Crewe & Whittaker.* East of Totley; Barlow Lees, and Wilday Green; Unthank.

P. Clowne; Cresswell.

T1. Boylestone, *Gibbs.* Near Mugginton, *Painter*, *Nat*[t]. Shirley; Darley Moor, near Cubley; Little Derby, and near Spread Eagle Inn, Findern.

T3. Rough Ground about Calke, *Purchas*, *J.B.* Gresley, *Painter*, *J.B.* Bretby; Hartshorn, *N.H. Tutb.* Repton Rocks, *Wild Fl. Rept.*

CYTISUS *L.*

C. scoparius *Link.* *Broom.* *Sarothamnus vulgaris* Wimm.

Native. B. Banks, fields, heaths. Local, avoiding limestone. S. May-June.

First record, *Pilkington*, 1789. *Spartium scoparium.*

L. Via Gellia, *Rogers.* "Wholly absent from the limestone," *Purchas, J.B.*

G1. Railway banks, Chapel-en-le-Frith, *Rogers, J.B.* By Castle Rocks, Allport Dale; Back Tor, and Grinds Brook, Edale; New Mills; Upper Hurst Brook, Bamford.

G2. Railway banks and other places, Belper, *C.D.* On millstone grit at Birchover; about the curious rocks called Robin Hood's Stride, and Cratcliff Tor, *Purchas, J.B.* Makeney, *Pilkington.*

C. Between Renishaw and Staveley, *Waterfall.* Stanton-by-Dale, *Hassé, C.D.* By West Hallam Station; Denby; Sheepbridge; Moorhole, near Hackenthorpe; Fritchley; Horsley Castle. Pinxton, *Pilkington.*

P. Railway bank, Cresswell.

T1. Between Copse Hill, Osmaston-by-Ashbourne, and Wyaston Grove, *Smith MSS.* Near Edlaston, *Miss Sandford.* East of Church Broughton; Etwall; south of Findern; Yeldersley, near Ashbourne.

T2. Locko Park, *Hassé, C.D.* Near Breadsall, *Glover.*

T3. Dimminsdale, Calke; Melbourne, *Purchas, J.B.* Willington, *Nowers.* Repton Rocks, *Wild Fl. Rept.*

ONONIS *L.*

O. repens *L.* *Restharrow.* *O. arvensis* L.

Native. B. Dry pastures, roadsides. Local. P. June-Sept.

First record, *How, Phyt. Brit.*, 1650. "*Anonis sive Ononis, Resta bovis, Remora Aratri. Variat flore albo. Neere Darby.*"

L. West slope of Matlock Tor, *B. & N., J.B.* Near a quarry on Hollington End, near Thorpe; also in the Via Gellia, *Purchas, J.B.* Brassington Rocks, *Gibbs.* Wormhill, *Painter, Nat^t.* Between Ashford and Taddington; Youlgreave; slopes on shale, west of Wensley.

G2. Wirksworth; Ashover, *Gibbs.* Baslow, *Painter, J.B.* Curbar.

C. About Renishaw, *Waterfall.* Hazlebarrow Farm, Norton; Barlborough Low Common; Holymoorside.

P. Markland Grips, *The Naturalist.* Bolsover; Cresswell Crags; Langwith. Pleasley, *Pilkington.*

T1. Osmaston-by-Ashbourne; Clifton, *Smith MSS.* Mickleover, *Gibbs.* Near The Holt, Edlaston, *Miss Sandford.* Near the Vicarage, Shirley; between Bradley Park and the Hollies Farm.

T2. Ockbrook, *Smith MSS.* Morley, *Crewe & Whittaker.* Near Breadsall, *Glover.* Elvaston.

T3. Bretby, *Gibbs.* Calke, *Bloxam.* Milton, *Painter, Nat^t.* Parson's Hills, Repton, *Wild Fl. Rept.*

O. spinosa *L.* *Restharrow.*

Native. EB. Pastures, roadsides. Local. P. June-Aug.

First record, *Pilkington*, 1789.

L. Via Gellia, near Grange Mill, *Bailey, B.L. Rec.*, 1878, 16. Wormhill, *C.D.* Lathkil Dale, *Smith MSS.*

G2. Baslow, *Pilkington.* Can this be a mistake for *O. repens*, which is plentiful at Baslow, whilst *O. spinosa* has not been noted there recently?

C. Dale, *Hassé, C.D.*

P. Pleasley, *Pilkington.*

T1. Near Etwall, *Burkhill, C.D.* Normanton-by-Derby, *Painter, J.B.* Little Derby, by the roadside. In a lane leading to Radbourn, *Glover.*

T2. Between Ockbrook and Hopwood Lodge Field, *Smith MSS.* Plentiful by Thrumpton Ferry.

T3. Ticknall, *Purchas, J.B.* Willington, *Hagger, C.D.* Derby Road, Burton, *Hb. Mason!* Near Calke, *Watson's N.B.G.*

TRIGONELLA *L.*

*T. purpurascens *Lam.*

Casual? E.

T2. Breadsall, not common, *Crewe & Whittaker*, 1864.

MEDICAGO *L.*

*M. sativa *L.*

Casual.

C. Waste ground about Renishaw Furnaces, *Waterfall.*

T2. Works of the railway between Breadsall and Derby, *Crewe & Whittaker*, 1864.

M. lupulina *L. Black Medic.*

Native. B. Pastures, cultivated land, waysides. Common. A. or B. May-Aug.

First record, *Glover*, 1829.

Generally distributed and plentiful everywhere. "Common up to 400 yards," *Baker, J.B.*

*M. denticulata *Willd.*

Casual. E.

T1. Mickleover, *Painter, Natt.*

Var. *apiculata* (Willd.).

T1. Cultivated ground, Mickleover, *Bindley.*

*M. arabica *Huds.* *M. maculata* Sibth.

Alien. E. Cultivated land. A. July-Aug.

First record, *Glover*, 1829.

C. College Meadows, The Hague, Renishaw, *Waterfall.*

T1. Shirley; Hollington.

MELILOTUS *Hall.*

M. officinalis *Lam. Melilot. M. altissima* Thuill.

Colonist. E. Waysides, railway banks, fields. Rare. A. June-Aug.

First record, *Glover*, 1829. *Trifolium officinale.*

C. About Renishaw, *Waterfall.* Near Dore; railway bank, Codnor Park; near the Station, Killamarsh.

T1. Between New Farm and Osmaston-by-Ashbourne, *Smith MSS.* Mickleover, *Painter*, *Nat*^{t}.

T2. Aston, *Hassé*, *C.D.* Chellaston; Nottingham Road Station, Derby, *Painter*, *J.B.* Breadsall, *Whittaker*, *Phyt.* Near Trent Lock.

T3. By the tramway at Ticknall, *Purchas*, *J.B.* Bretby, *Painter*, *J.B.* Burton, *Hb. Mason!* The Oaks Plantation and Drakelow, *N.H. Tutb.* Brizlincote, *Gibbs.* Repton, *Wild Fl. Rept.*

***M. alba** *Desr.*

Casual.

C. Spital, Chesterfield, *Drabble.* Beighton, on waste ground.

***M. arvensis** *Wallr.*

Alien. E. Waste ground, cultivated land. Rare. A. June-Aug.

G1. Casual on roadside between Edale and Hope.

T1. Fields, Shirley Common; Ednaston.

T2. Along the railway line between Derby and Borrowash, *Smith MSS.*

T3. Repton, *Painter*, *Nat*^{t}.

***M. indica** *All.*

Casual.

T1. Mickleover, *Painter*, *Nat*^{t}.

TRIFOLIUM *L.*

T. subterraneum *L.*

Native? E. Rare.

T2. Near Sandiacre Church, very scarce, *Atkinson*, *C.D.*

T3. Repton, *Wild Fl. Rept.*

T. pratense *L. Red Clover.*

Native. B. Pastures, waysides. Common. P. May-Sept.

First record, *Pilkington*, 1789.

General throughout the County. "Common up to 500 yards," *Baker*, *J.B.*

Var. *sativum* Schreb.

L. Miller's Dale, *Painter*, *J.B.*

T3. Burton-on-Trent, *Painter*, *J.B.*

Var. *silvestre* Syme.

L. About Dovedale, *Purchas.*

T. medium *L.* *Zigzag Clover.*

Native. B. Banks, pastures, roadsides. Frequent. P. June-Oct.

First record, *Glover*, 1829.

L. Ashwood Dale, 300 yards, *Baker, J.B.* Matlock Bath, *Rowland, C.D.*

Near Mappleton, *Purchas.* Hartle Dale, Bradwell; Conies Dale, Peak Forest; Brassington.

G1. Etherow district; Lydgate, Chapel-en-le-Frith; Allport Dale; Hathersage.

G2. Cromford Canal, *Rogers.* Abney; Great Hucklow; Press Reservoirs.

C. About Renishaw, *Waterfall.* Beighton; by a pool, east of Killamarsh; east of Totley; woods north of Coal Aston; near Hardwick Wood; Ault Hucknall; Dale.

P. Bolsover; Clowne; Scarcliffe Park Wood; Cresswell.

T1. Mickleover, *Painter, Nat^t.* Between Kedleston and Brailsford; Shirley; Cubley; Longford; Lime Quarries, Snelston; Barton Blount; Little Derby, and Findern.

T2. Ockbrook, *Painter, J.B.* Breadsall, *Crewe & Whittaker.* Sandiacre.

T3. A solitary plant on Pistern Hill; also near the Ticknall Limeworks, *Purchas, J.B.* Calke, *Bloxam.* Bretby, *Harris, C.D.* Canal bank, Willington, *Painter, Nat^t.* Repton, *Wild Fl. Rept.*

T. arvense *L.* *Haresfoot Trefoil.*

Native. BE. Dry fields, banks, roadsides. Local. A. July-Sept.

First record, *Pilkington*, 1789.

C. Breadsall Moor, *Whittaker, C.D.*

P. Langwith.

T1. Findern, *Painter, Nat^t.* Langley, *Pilkington.*

T2. Railway bank near Borrowash Station, *Smith MSS.*

T3. Near Foremark, *Purchas, J.B.* Burton-on-Trent, *Painter, J.B.* Gravel Pit, Repton, *Wild Fl. Rept.*

T. striatum *L.* *Soft Knotted Trefoil.*

Native. E. Dry places, banks. Rare, plentiful locally. A. June-July.

First record, *Glover*, 1829.

L. Miller's Dale Station to Wormhill, 350 yards, *West, J.B.* Monsal Dale, *Painter, J.B.* Thorpe Cloud, *Nowers.*

T2. Near Borrowash Station, *Smith MSS.* At Sawley, and on banks below Sawley by the Trent; banks by R. Derwent, near Great Wilne, abundant.

T3. Drakelow, *Painter, J.B.* Repton, *Wild Fl. Rept.* Measham, *F.L. in Tr. Burton.*

T. scabrum *L.*

Native? E. Very rare. A. June-July.

First found, *Salt*, 1801, *Hb. Salt.*

L. Bakewell, *Hb. Salt.*

T3. Burton, *Hb. Mason!* but uncertain whether in Derbyshire or Staffordshire.

***T. hybridum** *L. Alsike Clover. T. elegans* Savi.

Alien. Cultivated land, waste ground. Frequent. P. July-Sept.

First found, *Crewe & Whittaker*, 1864. First record, *B. & N., J.B.*, 1885.

L. Roadsides and forage fields about Matlock, *B. & N., J.B.* Chee Dale, *Hb. Mason!*

G1. Near Whaley Bridge, *Barker*. Edale; Bamford; Hathersage.

G2. Baslow, and Pilsley; Ashover.

C. Wingerworth; Millthorpe, near Holmesfield; Press.

P. Cresswell; by Scarcliffe Park Wood.

T1. Mickleover, *Bindley*. Shirley; Ednaston; Mammerton, Longford; Church Broughton; Cross o' th' Hands, Hulland Ward.

T2. Breadsall, probably introduced with foreign clover seed, *Crewe & Whittaker*. Trent Station, and near Thrumpton Ferry, and Trent Lock.

T. repens *L. Dutch Clover. White Clover.*

Native. B. Pastures, meadows, waysides. Common. P. May-Nov.

First record, *Pilkington*, 1789.

Generally distributed. "Common up to 500 yards," *Baker, J.B.* A proliferous form has been found by damp roadsides, in T1.

T. fragiferum *L. Strawberry-headed Clover.*

Native. E. Damp waysides, meadow borders. Rare and local. P. Aug.-Sept.

First record, *Glover*, 1829.

L. Roadside between Fenny Bentley and Tissington, *Purchas*.

G2. Duffield, *Glover*.

C. Near Stanton-by-Dale, formerly, *Hassé, C.D.*

T1. Fields by Yeldersley Lane, near Shirley, 500 ft.

***T. agrarium** *L. Hop Trefoil.*

Alien. In crops.

First record, *Pilkington*, 1789.

T1. Fields at Bradley Park Farm, Bradley.

T. procumbens *L. Hop Trefoil.*

Native. B. Arable land, pastures, waysides. Frequent. A. June-Sept.

First record, *Pilkington*, 1789.

L. Frequent up to 400 yards on the walls of Peveril Castle, *Baker, J.B.* Miller's Dale, *Rogers*. Dovedale, *Painter, J.B.* Cressbrook.

G1. Between Whaley Bridge and Chapel Reservoir, *Barker*. Edale.

G2. Stanton; Pilsley; Ashover. Crich, *Pilkington*.

C. By the canal, near Kirk Hallam; Codnor Castle; Loscoe; Tibshelf; Arkwright Town; Dale.

P. Cresswell, *The Naturalist*. Pleasley; Langwith.

T1. Turnditch, *Painter, J.B.* Near the Canal below Osmaston; Egginton Station; Mickleover; Marston Montgomery; Doveridge; Shirley.

T2. Near Trent Station.

T3. About Calke, *Purchas, J.B.* Burton-on-Trent, *Painter, J.B.* Repton, *Wild Fl. Rept.*

T. dubium *Sibth. Lesser Yellow Trefoil. T. minus* Sm.

Native. BE. Pastures, waysides, commons, lawns. Common. A. June-Sept.

First record, *Pilkington*, 1789. *T. filiforme.*

Generally distributed. "Frequent up to 450 yards over Burbage, Buxton," *Baker, J.B.* Higger Tor, above Hathersage, 470 yards.

T. filiforme *L.*

Native. E. Pastures, commons, roadsides. Rather rare. A. June-Aug.

First record, *Painter, J.B.*, 1881.

L. Middleton Dale, *Carr, C.D.* About Dovedale, *Purchas.* Miller's Dale, *Painter, J.B.*

T1. Sapperton; Boylestone Old Hall; Barton Park; Hilton Common, in an old lane.

T2. Banks by the Trent, near Sawley.

T3. Calke, *Bloxam.* About Burton-on-Trent, *Painter, J.B.* Milton, *W.G. in Tr. Burton.*

ANTHYLLIS *L.*

A. Vulneraria *L. Lady's Fingers. Kidney Vetch.*

Native. B. Dry banks and slopes, especially on limestone. Local. P. June-Aug.

First record, *Pilkington*, 1789.

L. Bonsall, and Matlock Bath, up to 300 yards, *B. & N., J.B.* Miller's Dale, and Monsal Dale, *West, J.B.* Cromford, *Rowland, C.D.* The Winnatts, Castleton; Dovedale; Blackwell Dale, *C.D.* Buxton, *Rogers.* Middleton Dale, *The Naturalist.* Harborough Rock; Bradwell; Great Hucklow; Conies Dale, Peak Forest.

G1. Edale, and near Hope.

G2. Eyam Moor.

C. Dale, *Hassé, C.D.* Waste ground at Renishaw Furnaces, *Waterfall, C.D.* Near the Station, Killamarsh. S. Normanton, *Pilkington.*

P. Cresswell Crags, *The Naturalist.* Steetly Quarry; Bolsover; Nether Langwith; Elmton; Markland Grips; Belph Moor.

T1. Mickleover, *Painter, Nat^t.* Casual in fields, Yeldersley.

T3. Very scarce, a solitary plant in old stonepit near Ticknall; a second afterwards appeared, *Purchas, J.B.* Linton, *N.H. Tutb.* Measham, *Harris, C.D.* Between Repton and Willington, *Wild Fl. Rept.*

LOTUS *L.*

L. corniculatus *L. Bird's Foot Trefoil.*

Native. B. Pastures, waysides. Common, P. June-Sept.

First record, *Pilkington*, 1789.

General and everywhere abundant. "Common up to 500 yards," *Baker, J.B.*

A curious depauperate form or state occurs with the type in L. on Longstone Edge, plentifully, and in G2, by a lane side between Corbar and Far End, Baslow; it sends up many erect shoots, with leaves and pale yellow petals less than half the size of the type; the standard is straight not reflexed, the keel less curved, the wings narrow oblong.

L. tenuis *Waldst & Kit.*

Native. BE. Fields, waste places, on marshy or calcareous soil. Rare P. June-Aug.

First record, *Garner*, 1844.

L. Dovedale, *Garner.*

P. Nether Langwith.

T1. Cornfields [Osmaston-by-Ashbourne neighbourhood], *Smith MSS.*

T3. Cauldwell, *N.H. Tutb.*

L. uliginosus *Schkuhr. L. major* Sm. *L. pilosus* Beeke.

Native. BE. Meadows, woods, ditch banks, marshes. Frequent. June-Sept.

First record, *Glover*, 1829.

L. Common by the Wye up to 450 yards, *Baker, J.B.* Matlock, thickets and damp grassy places up to 300 yards, *B. & N., J.B.* Buxton, *Rogers.* Monsal Dale; Dovedale, *C.D.*

G1. Chapel-en-le-Frith, *Rogers.* Chinley; Edale; Etherow district; near the Snake Inn.

G2. Cromford Canal, *Rogers.* Froggatt; Kelstedge.

C. About Renishaw, *Waterfall.* Totley Moss; Wilday Green, Barlow; Moorhole, near Hackenthorpe; Wadshelf; Millthorpe, near Holmesfield; New Stanton; Newton Wood.

P. Bolsover.

T1. Church Broughton; Barton Fields; between Longford and Boylestone; Sudbury, near the Dove; near the Spread Eagle, Findern.

T2. Breadsall, *Whittaker, C.D.* Ockbrook, *Smith MSS.*

T3. Sides of ditches, Calke, *Purchas, J.B.* Bretby; Repton Rocks, *Gibbs.* Drakelow, *Hb. Mason!* About Burton-on-Trent; Willington, *Painter, J.B. & Nat^t.* Repton, *Wild Fl. Rept.*

ORNITHOPUS *L.*

O. perpusillus *L. Bird's-foot.*

Native. BE. Sandy commons and pastures. Local. A. May-July.

First record, *Pilkington*, 1789.

G2. Roadside, Ball Cross Wood, Edensor, *Gem of the Peak.* Cross o' th' Hands, Hulland Ward. Dethick, *Pilkington.*

C. Morley Moor, *Painter J.B.* Near Dale, *Hassé, C.D.*

T1. Lower part of Edlaston Coppy, *Miss Sandford.* Findern, *Painter, Nat^t.* Near Bradley Wood. Quarndon Common, *Pilkington.*

T2. Locko Park, *Hassé, C.D.* Breadsall, *Whittaker, Phyt.*

T3. Melbourne, *Hassé, C.D.* Cauldwell; Egginton, *Painter, J.B., & Natt.* Willington, *Nowers.* Repton, *Wild Fl. Rept.*

HIPPOCREPIS *L.*

Hippocrepis comosa *L. Horseshoe Vetch.*

Native. EG. Dry limestone slopes. Rare. P. June-Aug.

First record, *Watson's N.B.G.*, 1835.

L. Monsal Dale, *Watson's N.B.G.* Dovedale, *Smith MSS.* Buxton, *Buxton Guide.* Topley Pike, *Carr.* Wooded slopes of Chee Tor.

***Onobrychis viciæfolia** *Scop. Hedysarum onobrychis.*

Casual. EG. *Glover*, 1829.

L. Matlock, *Crewe & Whittaker.*

VICIA *L.*

V. hirsuta *Gray. Common Tare.*

Native. BE. Waste places, fields, roadsides. Local. A. June-Aug.

First record, *Pilkington*, 1789. *Ervum hirsutum.*

L. Miller's Dale, 300 yards, *West, J.B.* Ashwood Dale, *C.D.*

G. 2. Baslow, *Gem of the Peak.*

C. Loscoe. Pinxton; Langley Field, *Pilkington.*

T1. Mickleover, *Painter, Nat^t.* Roadside, Sutton-on-the-Hill; Foston; Doveridge; Yeldersley Fields.

T2. Breadsall, *Crewe & Whittaker.* Spondon; Morley, *C.D.* Near Trent Station.

T3. Near Calke Abbey, *Purchas, J.B.* Walton, *Gibbs.* Stapenhill, *Hb. Mason!* Drakelow, *Harris, C.D.* Between Repton and Twyford, *Wild Fl. Rept.* Roadside, east of Egginton Common.

V. gemella *Crantz. V. tetrasperma* Mœnch.

Native. EB. Arable land, hedges, waysides. Not common. A. June-Aug.

First record, *Glover*, 1829.

L. Miller's Dale, *Painter, J.B.* In the path up the rock behind Phœbe's Cottage, Matlock, *Glover.*

P. Clowne.

T1. Mickleover, *Painter, Nat^t.* Shirley; Sutton-on-the-Hill; Sapperton; Barton Park; Mackworth.

T3. Near Calke Abbey, *Purchas, J.B.* Walton, *Gibbs.* Canal Bank near Willington, *Tr. Burton.* Drakelow, *Painter, J.B.* Repton, *Wild Fl. Rept.*

V. Cracca *L.* *Tufted Vetch.*

Native. B. Hedges, wood borders. Common. P. June-Sept.

First record, *Pilkington*, 1789.

"Frequent up to 400 yards," *Baker, J.B.* A form with pure white flowers by the canal, below New Stanton.

V. silvatica *L.* *Wood Vetch.*

Native. SB. Rocky woods. Local. P. June-Aug.

First records, *Engl. Bot.*, 1793; *Purton*, 1817.

L. Cressbrook Dale; between Bradbourne and Fenny Bentley, *Bailey, C.D.* Matlock, *Hb. Bicheno.* Matlock Bath, *Painter, J.B.* Deep Dale, Buxton, *Green, C.D.* Via Gellia, *Waterfall.* Coldwell Bridge, Blore, *Smith MSS.* Lathkil Dale; King's Sterndale.

G2. Near Duffield, *Glover.*

T3. Repton Rocks, *Wild Fl. Rept.*

V. sepium *L.* *Bush Vetch.*

Native. B. Banks, hedge-sides, wood borders. Common. P. May-July.

First record, *Pilkington*, 1789.

"Ascends to 450 yards on the Burbage moors," *Baker, J.B.* "Up to 300 yards about Matlock," *B. & N., J.B.* A white-flowered form occurs near Yeldersley Hamlet, *Smith MSS.*; also in the lane by Shirley Common (T1).

***V. sativa** *L.* *Vetch.*

Casual. Arable land, railway banks, waste ground. A. June-Aug.

First record, *Pilkington*, 1789.

L. On cultivated ground only, about Matlock, *B. & N., J.B.* Agnes Meadow, near Kniveton.

C. About Renishaw, *Waterfall.*

T1. Mickleover, *Bindley.* Between Shirley Village and Ednaston, *Smith MSS.* Foston.

T2. Ockbrook, *Smith MSS.* Breadsall, *Crewe & Whittaker.*

T3. Milton; canal side, Willington, *Gibbs.* Burton, *Hb. Mason!* Repton, *Wild Fl. Rept.* Egginton Common.

V. angustifolia *L.* *Wild Vetch.*

Native. BE. Hedge-banks, heaths, wood borders. Not uncommon. A. May-Aug.

First record, *Wild Fl. Rept.*, 1866.

L. Ascends up to 300 yards in Miller's Dale, *Rogers, J.B.*

G1. Edale.

G2. Baslow.

T1. Turnditch, *Painter, J.B.* Egginton Station; by Spread Eagle Inn, Findern; Bearwardcote, Mickleover.

T2. Draycott, *Gibbs.* Morley, *Painter, Nat^t.* Elvaston; by the canal below Osmaston.

T3. Calke, *Bloxam*. Gresley, *Painter, J.B.* Between Repton and Milton, *Wild Fl. Rept.*

Var. *Bobartii* Koch.

T1. Gravelly bank of pasture, Shirley.

T3. Dimminsdale, Calke, *Purchas, J.B.*

[**V. lathyroides** *L.*

Native or error? B.

T3. Repton, *Wild Fl. Rept.*]

LATHYRUS *L.*

***L. Aphaca** *L.*

Casual. E. *Pilkington*, 1789.

C. Pinxton, *Pilkington.*

T3. Flint Mill yard, Newton Road, Burton, *Nowers.*

L. Nissolia *L. Grass Vetch.* Top. Bot. "Davidson sp."

Native. E. Fields, broken ground, banks. Rare and local. A. June-July.

First record, *Pilkington*, 1789.

C. Cornfield near Alfreton, *Pilkington.*

T1. Nutwood at Darley [Derby], *Glover.*

T2. Draycott House, *Smith MSS.* Betwixt Breaston and Risley, *Pilkington.*

***L hirsutus** *L.*

Casual. LG. *Pilkington*, 1789.

C. South Normanton, *Pilkington.*

T3. Flint Mill yard, Newton Road, Burton, *Nowers.*

L. pratensis *L. Meadow Vetchling.*

Native. B. Meadows, hedges, banks. Common and abundant. P. June-Sept.

First record, *Pilkington*, 1789.

"Common up to 400 yards," *Baker, J.B.*

L. silvestris *L. Everlasting Pea.*

Native. E. Woods, bushy banks. Local and rare. P. June-Aug.

First record, *Glover*, 1829 (doubtful, as he gives the flowers yellow), *C.D.* 1889.

T2. Weston-upon-Trent, *Atkinson, C.D.* By canal, below Chellaston.

[**L. palustris** *L.*

Native, or error? E. *Pilkington*, 1789.

C. Pinxton, *Pilkington.*]

L. montanus *Bernh. Wood Pea. Orobus tuberosus* L.

Native. B. Heaths, waysides, banks, wood borders. Frequent. P. April-July.

First record, *Jewitt*, 1811.

L. Alsop Moor, not common on the limestone, *Purchas, J.B.* Ashwood Dale, *Green, C.D.* Miller's Dale, *Rogers, J.B.* Near Matlock, *Waterfall, C.D.* Near Bradwell, *Painter, Nat^t.* Stony Middleton; Tideswell Dale.

G1. Between Bugsworth and R. Goyt, Chapel-en-le-Frith, *Rogers.* Edale; near the Snake Inn; Woodseats, near Castleton; Chinley; near Eyam; Hathersage.

G2. Wirksworth; Chatsworth, *Gibbs.* Pincham's Hill, Belper; Idridgehay; Abney; east of Bradwell; Great Hucklow; between Birchover and Stanton; Birchill Bank, Baslow.

C. Totley; West Hallam, *Painter, Nat^t.* Near Beighton; woods between Eckington and Norton, *Gibbs.* Denby; Loscoe; by pool east of Killamarsh; Codnor; Shirland; New Stanton.

T1. Mickleover, *Painter, Nat^t.* Shirley; Bradley; Barton Park; Findern. Nutwood at Darley, near Derby, *Glover.*

T2. Breadsall, *Whittaker, Phyt.* Dale Abbey Woods, *Painter, J.B.*

T3. Scarce about Calke, *Purchas, J.B.* Bretby, *Gibbs.* Etwall Road, Repton, *Hagger, C.D.* Repton Rocks, *Wild Fl. Rept.*

Var. *acutifolius* Bab. Var. *tenuifolius* Roth.

G1. Stirrup Wood, Charlesworth, *Painter, J.B.* Ladybower, Edale, with the type.

T2. Ockbrook, *Smith MSS.*

T3. Bretby Park, *Gibbs.* Occurs occasionally with the type, *Tr. Burton.*

ROSACEÆ.

PRUNUS *L.*

P. spinosa *L.* *Sloe.* *Blackthorn.* *P. communis* Huds.

Native. B. Hedges, woods. Common. S. March-May.

First record, *Pilkington*, 1789.

Generally distributed and everywhere common. "Native on the cliffs of the dales up to 350 yards," *Baker, J.B.* The seasons when it fruits well are exceptional. In wet and dull springs the flowers accompany the leaves. Var. *coetanea*, E. B. Measham in *Hb. Mason!*

P. insititia *Huds.* *Bullace.*

Native. E. Hedges, copses. Frequent. S. April-May.

First record, *Pilkington*, 1789.

L. Via Gellia, *B. & N., J.B.* Pindale, near Castleton.

G1. Edale, plentiful, perhaps cultivated; Bamford.

G2. Shatton; Kirk Ireton, west side.

C. Field at the Hague, Renishaw, *Waterfall, C.D.* Stanley, *Painter, Nat^t* Calow; Smalley; Crowhole, near Barlow; Slatepit Dale, Holymoorside; New Brampton. Pinxton, *Pilkington.*

P. Palterton; Cresswell Crags.

T1. Derby, *Painter*, *Nat*[t]. Shirley; Brailsford, near Pool Head; Hatton; Boylestone. Between Allestree and Quarndon; Mackworth, *Glover*.

T2. Breadsall, *Whittaker*, *Phyt*. Ockbrook, *Painter*, *J.B*.

T3. Drakelow, *Hb. Mason!* Smith's Plantation, Repton, *Wild Fl. Rept*. Swarkeston.

***P. domestica** *L. Wild Plum.*

Alien. Hedges, thickets. Rare. S. April-May.

First record, *Glover*, 1829.

C. Staveley, *Painter*, *Nat*[t]. Heanor, *Watson's N.B.G.*

T1. In a hedge in the Humbleton Farm, near Derby, *Glover*.

T2. Ockbrook, *Smith MSS*.

T3. An escape from cultivation at Calke Mill, *Purchas*, *J.B*.

P. Avium *L. Wild Cherry. Gean.*

Native. E. Hedges, woods and copses. Frequent. T. April-May.

First record, *Pilkington*, 1789.

G1. Between Bugsworth and New Mills, *Rogers*, *J.B*. Mellor, *Fl. Ashton*.

G2. Duffield, *Painter*, *Nat*[t]. Baslow.

C. Millhouses; Beauchief, *The Naturalist*. Norton, *Gibbs*. Woods N.E. of Coal Aston; Walton Wood; Nether Loads, Old Brampton. Pinxton, *Pilkington*.

T1. Kedleston, *Painter*, *J.B*. Shirley; Over Burrows, Brailsford; near Hilton. Derby, *Pilkington*.

T2. Breadsall, *Whittaker*, *C.D*.

T3. Repton Rocks, *Burkill*, *C.D*. Bretby, *Gibbs*. Drakelow, *Hb. Mason*.

P. Cerasus *L. Dwarf Cherry.*

Native. E. Hedges. Local and rather rare. Small tree. April-May.

First record, *Pilkington*, 1789.

G1. In the Etherow district.

G2. In the lane between Hassop and Baslow, *Linton*.

P. Fields near Clowne, *Waterfall*, *C.D*. Glapwell, *Pilkington*.

T1. Osmaston-by-Ashbourne; Clifton, *Smith MSS*. Between Brailsford and Spinnyford Brook, in several places; main road Osmaston to Ashbourn; between Cubley Brook and Birchwood Park; lane from Old Yeldersley to Ednaston. Mackworth, *Pilkington*.

T3. Calke, *Bloxam*. By the Churchyard, Repton, *Rept. F. & F*. Bretby, *Glover*.

P. Padus *L. Bird Cherry.*

Native. S. Copses, woods. Local. T. May.

First record, *Ray. Cat*., 1677. *Cerasus avium nigra et racemosa.*

L. Cliffs about Lovers' Leap, 350 yards, *Baker*, *J.B*. Chee Tor to Topley Pike, *Carr*. Monk's Dale, 350 yards, *West*, *J.B*. Via Gellia, *Rowland*, *C.D*. Matlock, *Bot. Guide*. Lathkil Dale and Brassington Rocks, *Gibbs*. Cromford, *Crewe & Whittaker*. Upper end of Dovedale; Fenny Bentley, *Purchas*, *J.B*.

G1. Fernilee, frequent, *Barker*. Stirrup Wood, *Fl. Ashton*. Chapel-en-le-Frith, *Watson's N.B.G.* Allport Dale; Bamford; Near Eyam; Hood Brook, Hathersage; Woodseats, Castleton; Edale.

G2. Wirksworth, *Gibbs*. Banks of R. Derwent, Whatstandwell, *Painter*, *J.B.* Shatton; near Offerton; Grindleford Bridge.

T1. Low thickets on Wyaston Brook, *Smith MSS.* Peathays, Shirley; between Mercaston and Cupiss Lane, Brailsford.

T3. Copse left of the road from Repton to Burton, *Rept. F. & F.*

SPIRÆA *L.*

S. Ulmaria *L. Meadow Sweet.*

Native. B. Meadows, brooksides, copses. Common. P. June-Sept.

First record, *Pilkington*, 1789.

L. Common in the limestone valleys to 350 yards, *Baker*, *J.B.* Miller's Dale; Buxton, *Rogers*. Monk's Dale, 350 yards, *West*, *J.B.*

G1. Chapel-en-le-Frith, *Rogers*. Near the Snake Inn; Edale.

G2. By the Cromford Canal, *Rogers*. Baslow; Kelstedge. Duffield, *Pilkington*.

C. About Renishaw, *Waterfall*. By West Hallam Station; Dale; Alfreton; Newton Wood; by Pebley Pond. Pinxton, *Pilkington*.

P. Bolsover.

T1. Common about Derby, *C.D.* Mickleover, *Bindley*. Shirley; Barton Blount; Marston-on-Dove; Canal side below Osmaston.

T3. Ditches at Calke, *Purchas*, *J.B.* Repton, *Wild Fl. Rept.*

S. Filipendula *L. Dropwort.*

Native. EG. Dry pastures, preferring limestone. Local. June-Aug.

First record, *Glover*, 1829.

L. Between Newhaven and Middleton, by Grange Mill, *Purchas*. Miller's Dale; Hartington; Youlgreave, *Painter*, *J.B.* & *Nat*^{t}. Buxton, *Buxton Guide*. Dovedale, *Bindley*. Cressbrook Dale, Tunsley Dale and Litton.

T2. Between Chellaston and Weston-on-Trent, *Purchas*, *J.B.*

T3. In very small quantity in one or two spots about Calke, and in a spot between Ticknall and Hartshorn, *Purchas*, *J.B.* Between Swarkeston and Ingleby, *Hassé*, *C.D.* Between Parson's Hill and the Trent, Repton, *Wild Fl. Rept.*

RUBUS *L.*

R. idaeus *L. Raspberry.*

Native. B. Waysides, hedges, woods, heaths. Common. S. June-July.

First record, *Martyn*, *Phil. Trans. XXXVI.* 1729.

"Common up to 450 yards in Goyt's Clough," *Baker*, *J.B.* "Up to 300 yards about Matlock," *B. & N.*, *J.B.* Up to 350 yards near the Snake Inn; 400 yards at Totley Moss.

Var. *obtusifolius* Willd. *R. Leesii* Bab.

G2. Wirksworth, between the railway and the Tennis Club Ground, *Gibbs*.

T1. Near Hulland Ward, between Mercaston and Intake Chapel; Shirley Vicarage grounds, *B.E.C. Rep.* 1890, 284, *and* 1891, 326.

The variety invariably occurs with the type, and in less quantity.

Var. *asperrimus* Lees.

G2. Chatsworth.

C. Walton Wood, *Linton.*

R. fruticosus *L. Bramble. Blackberry.*

Native. B. Hedges, woods, copses, heaths. Common. S. June-Oct.

First record, *Pilkington*, 1789.

The aggregate species ranges from the lowest levels, about 30 yards up to about 450 yards, *R. Selmeri* and *R. dasyphyllus* reaching the highest altitude.

R. fissus *Lindl.*

Native. *B.* Boggy places in woods and by streams. Not uncommon. S. June-July.

First record, *Purchas, J.B.*, 1885.

L. Between Scow Brook and Kirk Ireton.

G1. Derwent Dale; Edale; near Hope, by R. Noe; near Eyam.

G2. Near Alderwasley; near Wirksworth, *Gibbs.* Woods, Harthill Moor; Ramsley Moor, near Baslow; above Hathersage; Grindleford Bridge; Froggatt; woodland near Stanton.

C. Near Holmesfield, *The Naturalist.* Smeekly Wood, *Gibbs.* Moor Lawn Coppice, Holymoorside.

T1. On the New Red Sandstone at Bradley Wood, east of Ashbourne, *Purchas, J.B.* Shirley Wood; The Holt, Ednaston; near Drabble Car, Bradley Brook; Hulland Moss; Cross o' th' Hands; Breward's Car, Mugginton.

[R. suberectus *Anders., Smith MSS.*, also *J.B.* 1889, 178, 252, was an error.]

R. Rogersii *Linton.*

Native. *B.* Hedges in boggy ground. Local and rare. S. Late June-Sept.

First record, *B.E.C. Rep.* for 1890, 1891, 285. *R. opacus* var. See also *J.B.*, 1894, 213-4.

T1. Shirley, hedges between the Mill and the Wood.

R. plicatus *W. & N.* Top. Bot. "Bloxam."

Native. B. Copses, hedges, ditch banks. Local. S. June-Aug.

First record, *Watson, Cyb. Brit.*, 1852.

G2. Froggatt; Hathersage Booths.

T1. In hedges of pastures between the Mill and the Wood, Shirley; Breward's Car, Mugginton; Drabble Car, Bradley Brook; lane between Bradley Wood and Nether Sturston.

T3. Bog at Repton Rocks, probably correctly named, *Purchas, J.B.* Calke Abbey, *Bloxam in Bab. Brit. Rub.*

[R. nitidus, *Painter, Nat^t.*, was an error.]

R. carpinifolius *W. & N.*

Native. *B.* Hedges and bushy places, open woods. Local. S. July-Sept.

First record, *Purchas, J.B.*, 1885. *R. ramosus.* See also *J.B.*, 1888, 330.

L. Near Cressbrook School Church, *C.D.*

G1. Derwent Dale; Ashopton; near Hope; Upper Hurst Brook, Bamford; Whaley Bridge; between New Mills and Hague Bar.

G2. Between Youlgreave and Robin Hood's Stride (named *R. ramosus* by Mr. Bloxam), *Purchas, J.B.* Abney Clough; Otterdale, below Shatton Moor; near Hathersage Booths; Froggatt; Calver; by Bar Brook, above Baslow; Belper.

C. Near Dore, *The Naturalist.* Near Beauchief Abbey; Wingerworth.

T1. Wood on the south side of Bradley; Shirley Wood and Brook; copse north of Ednaston Lodge; Markeaton; Allestree Park; Sudbury.

T3. Repton Rocks, *Gibbs.*

R. incurvatus *Bab.*

Native. *AE.* Hedges, bushy places. Local. S. July-Aug.

First record, *Rogers, J.B.*, 1885.

L. Hill above Miller's Dale; agrees with Welsh *incurvatus, Rogers, J.B.* Near Matlock Bridge, *Wats. B.E.C. Rep.*, 1894, 4. Between Ashford and Taddington, near R. Wye; Sheldon; Oaker Hill, near Wensley.

G1. Near Thornhill.

G2. Hillcliff Lane, Shottle.

C. Kirk Hallam; by a pool east of Killamarsh; Beighton; Spink Hill, near Eckington.

T1. Roadside between Mickleover and Etwall, *Gibbs.* By Shirley Brook, Yeldersley, *B.E.C. Rep.* 1890, 288; and near the Church, Brailsford, *B.E.C. Rep.* 1888, 207 (*R. Muenteri*); Bradley; Cockshead Lane, Norbury; Allestree Park; Church Broughton; near Burnaston House; Hilton; between Longford and Boylestone.

T2. About Long Eaton; near Sawley Junction; Shardlow.

T3. Canal side between Willington and Findern, *Gibbs.* By the main road east side of Egginton Common; Swarkeston Junction, by the canal.

R. Lindleianus *Lees.*

Native. *B.* Hedges, woods, heaths. Common. S. July-Aug. Fruits into November.

First record, *Watson, Cyb. Brit.*, 1852. R. *nitidus.*

L. Quarry at Matlock Bath, *B. & N., J.B.* Quarry refuse at Cromford, *Bailey, C.D.* Miller's Dale, *Rogers.*

G1. By the Etherow, near Dinting; Charlesworth; Woodseats, Castleton; Bamford; Hathersage; Low Leighton, near New Mills.

G2. Woods and thickets at Whatstandwell, *B. & N., J.B.* By Cromford Canal, *Rogers.* Wirksworth, *Gibbs.* Shatton; east of Bradwell; near Hathersage; Grindleford Bridge.

C. Denby; West Hallam Station; Mapperley; Loscoe; Beighton; Coal Aston; Dale; New Stanton.

P. Cresswell Crags.

T1. Hedges at Bradley Wood, *Purchas*. Boylestone, *Gibbs*. Allestree Park; Shirley; Church Broughton; Sudbury.

T2. Sandiacre; about Long Eaton.

T3. Hedges and thickets about Calke, *Purchas, J.B.* Bretby, *Gibbs*. Willington, *Painter*, *Nat*^{t}. Swarkeston.

R. erythrinus *Genev.*

Native. *EA*. Woods, hedges, bushy banks. Rare. S. July-Aug.

First record, *B.E.C. Rep.* for 1900, 1901.

C. By a bridge over the stream on the south side of Holymoorside ("seems very near *R. erythrinus*," *Rogers*).

R. durescens *W. R. Linton.*

Native. *L*. Hedges, heaths, bushy banks, woods. Local. S. July-Aug.

First record, *B.E.C. Rep.* for 1887, 1888, 175. *R. septorum*. See also *J.B.*, 1892, 70.

G2. Between Ambergate and Wirksworth, *Gibbs*. Hillcliff Lane, Shottle; Belper; Duffield; Holbrook, and Daypark.

T1. Cross o' th' Hands, Hulland Ward; Hulland Moss; Breward's Car, Mugginton; Wood Lane, Brailsford; between Shirley and Ednaston; Bradley Wood; between Church Broughton and Sutton.

R. rhamnifolius *W. & N.*

Native. *EB*. Hedges, heaths. Local. S. July-Sept.

First record, *Baker*, *J.B.*, 1884; also *J.B.*, 1895, 48.

L. Bottom of Monsal Dale, 200 yards, *Baker*, *J.B.*

G2. Belper.

T1. Breward's Car, Mugginton; Long Lane, towards Brailsford; Thurvaston Stoop; Osliston.

T3. In hedges about Calke, *Purchas*, *J.B.*

Var. *Bakeri* F.A. Lees.

G1. Charlesworth; near Ashopton Inn.

T1. Lane between Old Ednaston and Brailsford Bridge.

R. dumnoniensis *Bab.*

Native. *EA*. Hedges, thickets. Rare. S. July-Aug.

First record, *Rogers*, *Brit. Rub.*, 1900.

T3. Close to Repton, on the left hand, going to Willington; between Repton Park and the Hayes, at the corner of the roads to Burton and Hartshorn, *Gibbs*.

R. pulcherrimus *Neum.* *R. umbrosus* auct. angl. J.B. 1890, 131, 166.

Native. *BA*. Hedges, commons, heaths. Frequent. S. July-Sept.

First record, *Watson's Cyb. Brit.*, 1852. *R. carpinifolius*.

L. Monsal Dale; Wye Valley, below Chee Tor, 200-250 yards, *Baker*, *J.B.* Not seen about Matlock, *B. & N.*, *J.B.*

G1. Near the Snake Inn; Ashopton; Charlesworth; The Heath, Glossop; Mills, near Mellor; Eccles Pike, 1,100 feet; Edale; Hood Brook, Hathersage; Upper Hurst Brook, Bamford.

G2. Wirksworth, *Gibbs.* Belper; Hazelwood; Otterdale, below Shatton Moor; east of Bradwell; near Hathersage Booths; Froggatt; Totley Moss, 1,200 feet; Hay Wood, Grindleford.

C. Millhouses; near Holmesfield, *The Naturalist.* Lady Wood, near Kirk Hallam; Dronfield; Killamarsh; Wood Linkin, near Codnor, and near Codnor Station.

T1. Bradley Wood, *Purchas, J.B.* Breward's Car, and near Intake Chapel, Mugginton; Kedleston; Allestree Park; Hulland Moss; Brailsford; Shirley; The Holt, Edlaston; Long Lane; Hatton (*B.E.C. Rep.* 1888, 208, *R. near rhombifolius and leucandrus;* 1887, 171; 1888, 207, *R. Muenteri;* 1890, 290, *R. polyanthemos*).

T3. Between Calke and Melbourne, *Purchas, J.B.* Repton, *Haggar, C.D.* Milton; Willington; Repton Rocks; Bretby, *Gibbs.* Egginton Common.

R. Lindebergii *P. J. Muell. J.B.*, 1892, 114.

Native. *B.* Heaths, bushy banks, fields. Local. S. July-Aug.

First record, *J.B.*, 1895.

L. Masson Hill, Matlock Bath; Taddington Dale; Hartle Dale, Bradwell.

G1. Wash, and Malcoff, near Chapel; Chinley; Briergrove, Rowarth; Edale; Bamford.

G2. Wirksworth, *Gibbs.* Abney Clough; Shatton and Otterdale; Froggatt; Edensor.

C. Fox Lane, near Unthank, *Gibbs.* Wadshelf.

T1. About Stenson and Findern; The Knowl, Bradley; Hulland Moss; Breward's Car, Mugginton; Mercaston; Yeldersley Lane.

T3. Repton Rocks, *Gibbs.*

R. villicaulis *Koehl.*, var. Selmeri *Lindeb. R. affinis* Blox. Top. Bot. "Bloxam." *J.B.*, 1894, 43.

Native. *B.* Hedges, cars, thickets. Frequent. S. July-Sept.

First record, *Watson's Cyb. Brit.* 1852. *R. affinis.*

G1. Between New Mills and Bugsworth, *Rogers.* Charlesworth; by the Etherow, near Dinting; Mills, near Mellor; Chinley, 1,100 feet on Eccles Pike; Edale; Ashopton.

G2. Near Stony Middleton; woodland, Hathersage Booths; Froggatt; Curbar; Hay Wood, Grindleford; Kelstedge.

T1. The Holt, Edlaston (*B.E.C. Rep.* 1890, 285, and 1891, 326); east of Church Broughton; Burnaston; Breward's Car, Mugginton; near Nether Biggin; Blackwall.

T3. White Lees, Ticknall, and by the side of the Repton Road, Ticknall, *Purchas, J.B.* Repton Rocks, *Gibbs.* By the main road, east of Egginton Common.

Var. *calvatus* Blox. *J.B.* 1887, and 1894, 44.

G1. Above Low Leighton, New Mills.

G2. Woodland, Hathersage Booths.

T1. Between Willington and Findern, *Gibbs.* Shirley (*B.E.C. Rep.*, 1888, 206); The Holt, Edlaston; Snelston; Sudbury; Allestree Park; a setose form near Ednaston Hall (*B.E.C. Rep.*, 1887, 172, and 1890, 289).

T3. Bank of Ashby Road, over Pistern Hill; also at Dimminsdale, Calke, *Purchas*, *J.B.* Repton Rocks; lane to Milton, just above Repton Park Road, *Gibbs.*

F. *calvula.* A small form or variety, intermediate between *R. calvatus* and *R. durescens*, occurs in several places in T1, near Shirley and Brailsford, *B.E.C. Rep.* for 1899, 1900.

R. rhombifolius *Weihe.*

Native? *E.* Hedges. Rare. S. July-Sept.

First record, *J.B.*, 1895, 49.

T1. Near Spinnyford Brook, towards the Knob, Hulland.

R. gratus *Focke.*

Native? *EB.* Heaths, woods, hedges. Rare. S. July-Aug.

First record, *B.E.C. Rep.*, 1888, 173.

T1. By the brook in Shirley Wood.

R. thyrsoideus *Wimm.* *J.B.*, 1893, 45; 1894, 45.

Native. *E.* Hedges. Locally plentiful. S. Late July-Aug.

First record, *Top. Bot.* 140, *Bloxam*, 1874; also *Purchas*, *J.B.*, 1887.

T1. Findern; Etwall, *Gibbs.* Staker Flats, Mickleover.

T2. Near Trent Station; by the canal near Thrumpton Ferry and Trent Lock; near Sawley; about Chellaston Station; Long Eaton; Elvaston.

T3. Near Stanton-by-Bridge, *Purchas*, *J.B.* (Bloxam first found and correctly named this). Repton, *C.D.* Milton; between Stapenhill and Cauldwell, *Gibbs.* Egginton Common; near Swarkeston Church (*B.E.C. Rep.*, 1895, 475).

R. robustus *P.J. Muell.* *J.B.*, 1895, 78.

Native. *E.* Hedges, copses. Locally plentiful, S. July-Aug.

First record, *B.E.C. Rep.*, 1890, 249. *R. macroacanthus.*

T1. Yeaveley; Stydd; between Snelston and Darley Moor.

R. rusticanus *Merc.*

Native. B. Hedges, thickets. Frequent. S. July-Sept.

First record, *Watson's Cyb. Brit.*, 1852. *R. discolor.*

L. Common about Tissington and Dovedale; seen only once at Matlock in a lane at the top of Bonsall; *B. & N.*, *J.B.* Monsal Dale, *C.D.* Matlock Bath, plentiful; near Calver.

G2. Calton Lees, Chatsworth; Shottle Gate; Hazelwood.

C. Near Wingfield, *Gibbs.* Millthorpe, near Holmesfield; Spink Hill, Eckington; by pool east of Killamarsh; Kirk Hallam; Beighton; Crowhole, Barlow; Sutton; Barlborough; New Stanton; Dale.

P. Common on the Magnesian limestone, *The Naturalist.* Bolsover; Whaley Mill.

T1. Mugginton, *Painter*, *Nat*^{t}. Shirley; Mercaston; Cubley; about Tutbury Station; Hoon; Longford.

T2. Near Thrumpton Ferry, and Trent Lock; Risley Park.

T3. Hedges and banks about Calke; *R. macroacanthus* Blox., between White Lees and Broadstone, Ticknall, *Purchas*, *J.B.* Bretby, *Gibbs.* Stanton-by-Bridge, *Painter*, *Nat*^{t}. Egginton Common.

R. pubescens *Weihe.* *R. thyrsoideus* Bab.

Native. *E.* Hedges. Local and rare. S. July-Sept.

First record, *Watson's Cyb. Brit.*, 1852. *R. thyrsoideus.*

G2. Near the railway station at Whatstandwell, *B. & N.*, *J.B.*

T1. Near Mercaston.

R. macrophyllus *W. & N.*

Native. *BA.* Hedges, bushy places, woods. Local. S. July-Aug.

First record, *Watson's Cyb. Brit.*, 1852.

G2. Alderwasley; Ambergate, *Gibbs.* Millpool, Woolley, Ashover Hay.

C. Chamnifield Wood, Linacre Brook (a form going off towards *R. danicus* Focke, *Rogers*), *Gibbs.*

Var. *Schlechtendalii* (Weihe). *J.B.* 1895, 79.

T1. Spinnyford Brook, south of Hulland, by the roadside.

Var. *amplificatus* (Lees). *Bab. Brit. Rub.*, 1869.

G2. Thickets at Whatstandwell, *B. & N.*, *J.B.* By the Cromford Canal, *Rogers.* Old quarry, Pincham's Hill, Belper; Lindup Wood, Chatsworth; Kelstedge.

C. Newton Wood, abundant.

T1. Sandy Brook, near Ashbourne, rare, *Purchas*, *J.B.* Near Shirley, *B.E.C. Rep.*, 1893, 364. Cross o' th' Hands, near Hulland; Blackwall.

T3. Melbourne, *Purchas*, *J.B.* Calke Abbey, *Bab. Brit. Rub.*

R. Sprengelii *Weihe.*

Native. *AE.* Hedges, heaths, copses. Frequent. S. July-Sept.

First record, *Watson's Cyb. Brit.*, 1852.

G1. Ashopton; Chinley; near Crowden Reservoir; Glossop; Charlesworth; Edale; Upper Hurst Brook, Bamford; Hood Brook, Hathersage.

G2. Seen once between Whatstandwell and Wirksworth; moors near Ringinglow and Dore; Stanton Moor, *The Naturalist.* Near Stony Middleton; woodland near Hathersage Booths; Froggatt; below Abney, and Highlow Hall; near Birchover; Belper.

C. Brookside above Denby; Hackenthorpe and Moorhole; Park Hall Woods, near Barlborough; woods near Coal Aston; near Beauchief Abbey; Linacre Wood; Dale.

T1. Near Boylestone, *Gibbs*. Shirley; Yeldersley; Bradley; Mercaston; Blackwall.

T3. In hedges between Calke and Melbourne, and near to Southwood Farm, *Purchas*, *J.B.* Repton Rocks, *Gibbs*. Main road, east of Egginton Common.

R. hirtifolius *Muell. & Wirtg.*

Native. *AE.* Hedges, bushy places. Rare. S. July-Aug.

First record, *The Flora.*

C. Near Wingerworth, roadside near Slate-pit and Holymoorside, a form between the type and v. *danicus* (*W.M. Rogers in litt.*).

R. pyramidalist *Kalt.*

Native. *B.* Commons, woods, hedges. Rare. S. July-Aug.

First record, *J.B.*, 1895, 80.

G1. Near New Mills.

G2. By Bar Brook, above Baslow, *Linton.*

C. Between Holymoorside and Wingerworth.

T1. Black Brook Road, near Mercaston.

T3. Repton Shrubs; "a curious form going off from *R. pyramidalis* towards *R. Radula*" (*Rogers*); Repton Rocks, "I think a weak shade grown form" (*Rogers*), *Gibbs.*

R. leucostachys *Schleich.*

Native. *B.* Hedges, banks, woods. Frequent. S. July-Sept.

First record, *Watson's Cyb. Brit.*, 1852.

L. Monsal Dale, and roadside over Cressbrook Mill, 200-300 yards, *Baker*, *J.B.* Dovedale; about Matlock, ascending to 300 yards in Masson Wood, *B. & N.*, *J.B.* Near "Pig-of-Lead," Cromford, *Bailey*, *C.D.* Great Shacklow Wood.

G1. Etherow district; Mills near Mellor; Chinley; Ashopton.

G2. By Cromford Canal, *Rogers.* Near Eyam, and Grindleford Bridge; Birchover; Abney Clough; Belper; Duffield; Shottle Gate.

C. Smalley; West Hallam Station; Mapperley; Denby; Duckmanton between Greenhill and Bradway; Dale.

P. Bolsover; Elmton; Markland Grips; Langwith; Cresswell; Pleasley.

T1. Shirley; Brailsford; Sudbury; Eaton Woods; Hatton; Allestree Park. In this district the flowers vary in colour from white to deep pink.

T3. Hedges between Calke and Pistern Hill, *Purchas*, *J.B.* Bretby, *Gibbs.*

R. criniger *Linton.*

Native. *E.* Lane-sides, woodlands, banks. Locally plentiful. S. July-Sept.

First record, *J.B.*, 1894, 108. This is the *R. pubescens* of *B.E.C. Rep.*, 1888, 172.

T1. Bradley; Yeldersley Lane; Shirley; Snelston; Hulland Ward; Hatton, and towards Heathtop; Little Derby, Etwall, and near Findern.

T3. Milton; Repton Rocks, *Gibbs.*

R. mucronatus *Blox.* *R. mucronulatus* Bor.

Native. *B.* Hedges, copses. Local. S. July-Aug.

First record, *B.E.C. Rep.*, 1888, 172. *R. amphichloros ?*

G1. Ashopton, on the Sheffield Road; Mellor; near Chisworth.

C. Near Sheffield, in Derbyshire, *Gibbs.*

T1. About Stydd and Darley Moor; Yeaveley; Shirley, copse by brickyard; Bradley (*B.E.C. Rep.*, 1889, 211; *R. Purchasii*).

R. anglosaxonicus *Gelert.*

Native. *E.* Woods, hedges. Local and rare. S. July-Sept.

First found, *Bailey*, 1884; record, *B.E.C. Rep.*, 1888, 172 (*R. pyramidalis*); 1890, 292, and 1892, 365.

L. Above the New Bath Hotel, Matlock Bath, *Bailey.* Also east side of the river, near the Jubilee Bridge.

G2. A form of this near Kelstedge, Ashover, *B.E.C. Rep.*, 1901, 630.

Var. *raduloides* Rogers.

C. Millhouses, *Gibbs.*

T1. Shirley Mill to the Lodge Farm, a form of this.

R. melanoxylon *Muell. & Wirtg.*

Native. *S.* Bushy places, hedges. Rare. P. July-Aug.

First record, *The Flora*; *Rogers Brit. Rub.* [57].

C. By Great Pond, Wingerworth.

T1. A form of this at Tinker's Inn, Osmaston-by-Ashbourne.

R. infestus *Weihe.*

Native. *BA.* Open woodland, hedges. Rather rare. S. July-Aug.

First found, *W. R. Linton*, 1895; record, *B.E.C. Rep.*, 1896, 477.

G1. Near Nether Hurst, Bamford; Low Leighton, near New Mills.

G2. Woodland near Hathersage Booths; Froggatt; Baslow; Kelstedge; Ambergate; near Duffield.

C. Brierly Wood, near Sheepbridge, not typical; Lawn Moor Copse, Holymoorside.

T1. Between Rodsley and Yeaveley.

R. Borreri *Bell. Salt.*

Native. *EA.* Open woodland, bushy places. Rare. S. July-Aug.

First record, *The Flora.*

C. Woodland about Unstone and Sheepbridge.

R. Drejeri *G. Jensen.*

Native. *EB.* Woods, hedges, bushy places. Rare. S. July-Aug.

First record, *The Flora.*

G2. Railway bank opposite Wirksworth Station, *Gibbs.*

C. Lounge Wood, near Unstone, *Gibbs.* Brierly Wood; between Peacock Inn and Horsley Gate.

R. Radula *Weihe.*

Native. *B.* Hedges, woods, commons. Rather rare. S. July-Sept.

First record, *Watson's Cyb. Brit.*, 1852.

L. Dovedale, *B.E.C. Rep.*, 1883, 37. Oxlow Rake; High Dale, Taddington.

G2. Wirksworth, *Gibbs.*

C. Millhouses, *The Naturalist.* Kirk Hallam; Loscoe; Coal Aston; Denby; by pool east of Killamarsh; Walton Wood.

Var. *anglicanus* Rogers.

T1. Between Willington and Findern, *Gibbs.*

T3. Bretby, *Gibbs.*

Var. *echinatoides* Rogers. *J.B.* 1895, 82.

L. Taddington Wood, 200-250 yards, *Baker, J.B.* The Masson Woods, 300 yards, *B. & N., J.B.* Miller's Dale, *C.D.* Near Calver.

G1. Ashopton; Whaley Bridge.

G2. By Cromford Canal, *Rogers.* Stanton Moor, *Gibbs.* Between Abney and Highlow Hill; Shatton; by R. Derwent, below Mytham Bridge; Manners Wood, Chatsworth; Hillcliff Lane.

C. Hackenthorpe; Unstone, *Gibbs.*

P. Bolsover.

T1. Between Mickleover and Etwall, *Gibbs.* Allestree Park; Blackwall; Shirley; Yeldersley; Snelston; Eaton Woods; Longford; Barton Park.

T3. Hedgebank of the Ashby Road, on Pistern Hill, *Purchas, J.B.*

R. echinatus *Lindl.* *R. rudis* Bab.

Native. *EB.* Hedges, woods. Not unfrequent. S. July-Sept.

First record, *Watson's Cyb. Brit.*, 1852.

C. Cresswell, and Cresswell Crags.

G2. Ashover Hay.

T1. Longford; Boylestone; Cubley; Yeaveley; Eaton Woods, abundant; The Holt, Edlaston; Shirley; Brailsford; Kedleston; Church Broughton to Sutton; Hatton.

T2. Risley Park.

T3. About Calke, *Purchas, J.B.* Bretby; Linton, *Gibbs.* By canal, Swarkeston Junction.

R. rudis *W. & N.*

Native. *E.* Hedges and bushy places. Rare. S. July-Sept.

First record, *B.E.C. Rep.*, 1891, 317.

L. On slopes west of Matlock Bath.

C. Lane side between Loscoefield and Wood Linkin, near Loscoe.

R. oigoclados *Muell. & Lefv.*, var. Newbouldii (*Bab.*).

Native. *E.* Hedges, bushy places. Rare. S. July-Aug.

First record, *The Flora*; for the type, *Rogers Brit. Rub.* [57]

C. Owler Car, north of Coal Aston, *Gibbs.*

T3. Behind Repton Park near Loscoe Farm; bottom of Repton Shrubs by Hartshorn Road; Repton Rocks; hedge at the top end of Bretby Mill Dam, *Gibbs.*

Var. *Bloxamianus* (Colem.).

First record, *J.B.*, 1863, 145.

T1. Roadside between Little Derby and Egginton Station, and near Burnaston House, and Spread Eagle Inn.

T3. Repton, *Hagger, C.D.* Hedges between Ticknall and Stanton-by-Bridge, *Purchas, J.B.* Roadside near Rosliston; near Cauldwell; Linton (a shade form of woods); Bretby; Milton, *Gibbs.* Willington (*R. saxicolus B.E.C. Rep.* 1893), now placed here, fide *Rogers.* Between Willington and Egginton Common.

R. podophyllus *P. J. Muell.*

Native. *EA.* Bushy places, ravines, hedges. Local. S. July-Aug.

First record, *Linton, J.B.*, 1894, 24.

G1. On quarry refuse near Charlesworth, *Bailey.* Tarden, near Mellor; New Mills; near Goyt's Bridge; a robust quinate leaved form occurs about Charlesworth and Stirrup Benches.

C. Near Owler Bar; Unstone; Dronfield; Hackenthorpe, and Moorhole, *Gibbs.*

T3. Willington; Repton, and Repton Shrubs; Milton, *Gibbs.*

R. Babingtonii *Bell Salt. R. scaber* Bab.

Native. *E.* Woods, hedges. Rare. S. July-Aug.

First record, *Bab. Brit. Rub.*, 1869. *R. scaber.*

C. Foxstone Wood, S. of Eckington; Old Park Wood, near Beauchief; Brierly Wood, Unstone; Moorhole, near Hackenthorpe, *Gibbs.*

T3. Calke, *Bab. Brit. Rub.*

Var. *phyllothyrsus* (K. Frid.)

T1. Shirley, laneside towards Shirley Park, *Rogers* (*B.E.C. Rep.*, 1897).

R. fuscus *W. & N.*

Native. *E.* Hedges, woods. Rare. S. July-Aug.

First records, *B.E.C. Rep.*, 1891, 294; 1892, 331.

G2. Ambergate.

C. Near Dore Station (v. *macrostachys* P. J. M. ?); Cobnor Wood, Sheepbridge (f. *Rogers*), *Gibbs.*

T1. About Hulland, *B.E.C. Rep.*, 1894, 403; near Nether Biggin.

R. pallidus *W. & N.*

Native. *E.* Copses, and bushy places, especially near streams. Rare. S. July-Aug.

First found, *W. R. Linton*, 1897; record, *Rogers Brit. Rub.*, 1900.

C. Smeekley Wood, near Holmesfield; Owler Car, near Coal Aston, *Gibbs.* Wooded ravine between Owler Lees and Totley.

R. scaber *W. & N.*

Native. *EA.* Hedges, roadsides, commons. Locally plentiful. S. July-Sept.

First record, *Top. Bot.*, 1883; also *B.E.C. Rep.*, 1893, 366.

G2. Old quarry at Pincham's Hill, Belper; roadside S.E. of Birchover; Kelstedge; Ambergate.

C. Chamnifield Wood, on the Linacre Brook; by a pond in Cobnor Wood, Sheepbridge; Horsley Gate, and Cordwell, *Gibbs.* Hardwick Wood; Moor Lawn Copse, Holymoorside; Wingerworth; Walton Wood; Nether Loads, Old Brampton; Stone Edge Plantation.

T1. Plentiful about Cross o' th' Hands, Hulland Ward, *B.E.C. Rep.*, 1894, 410.

R. foliosus *W. & N.* *R. flexuosus* M. & L.

Native. *EA.* Bushy places, hedges. Rare. S. July-Sept.

First record, *N.H. Tutb.*, 1863. *R. Güntheri.*

T3. Knowle Hills, *Coleman in N.H.T.* Repton Shrubs and Repton Rocks, *Gibbs.* Bryan's Copse, Smisby, *Hb. Mason.*

R. rosaceus *W. & N.*

Native. *E.* Hedges, woods. Rare. S. July-Sept.

First record, *J.B.*, 1895, 101.

G2. Alderwasley; between Shottle Gate and Duffield, *Gibbs.*

Var. *hystrix* (W. & N.).

First record, Top. Bot. 1883; also *B.E.C. Rep.*, 1888, 175. *R. Koehleri.*

G1. Mills, near Mellor; Woodheys, near Chisworth; Whaley Bridge; New Mills; near Chinley Station; Upper Hurst Brook, Bamford.

G2. Near Dore, "a strongly aciculate form" (*Rogers*), *The Naturalist.* Wirksworth, *Gibbs.* Woodland at Froggatt; near Birchover; Belper; Shottle Gate.

C. Near Totley; between Unstone and Dronfield, and between Dronfield and Dore Station, *Gibbs.* Bolehill, Barlow; woods N.E. of Coal Aston; Brierly Wood, Unstone; Walton Wood.

T1. Cross o' th' Hands, Hulland Ward; Nether Biggin; between Bradley and Hulland; Shirley; Edlaston; Snelston.

Var. *infecundus* Rogers. *J.B.*, 1892, 338.

First record, *N.H. Tutb.*, 1863. *R. hystrix.*

C. Salter Wood, near Ripley; Park Hall Woods, near Westthorpe; Brierly Wood, Unstone.

T1. Shirley; Yeldersley; main road, near Cubley; Cross o' th' Hands, Hulland Ward.

T3. Woody places about Calke; between Ticknall and Stanton-by-Bridge (*R. hystrix*), *Purchas, J.B.* Repton Shrubs and Repton Rocks, *Gibbs.*

Var. *Purchasianus* Rogers. *Brit. Rub.*, 1900.

G1. In a rough lane by lead mines, one mile east of Great Hucklow, 1896.

G2. Below the road east of Eyam, fide *Rogers*.

R. fuscoater *Weihe.*

Native. *E.* Roadsides, hedges. Rare and local. S. July-Sept.

First record, *Top. Bot.*, 1883; also *B.E.C. Rep.*, 1893, 367.

G2. Woodland east of Eyam; Ambergate.

T1. Near Cross o' th' Hands, towards Mugginton.

R. Koehleri *W. & N.*

Native. *E.* Woods, hedges, commons. Rare. S. July-Sept.

First record, *J.B.*, 1895, 102.

G1. Near Buxton, 1,000 feet, *Rogers' Key to Brit. Rub.*

Subsp. *dasyphyllus* Rogers. *R. pallidus* Bab.

EB. Common. July-Sept.

First record, *Watson's N.B.G.*, 1835. *R. Koehleri affinis.*

Everywhere abundant! "One of the most frequent brambles of the limestone dales, ascending to 350 yards at the Lovers' Leap," *Baker*, *J.B.* Above Burbage, 450 yards, *C.D.*

R. Marshalli *Rogers.*

Native. *E.* Bushy banks, woodland. Rare. S. July-Aug.

First record, *Rogers Brit. Rub.*, 1900.

C. Between the Great Pond and the Upper Pond, Wingersworth (f. *Rogers*).

[**R. viridis** *Kalt.*, f. *Rogers Brit. Rub.*, 1900 [57].

C. Near Hazlehurst, *Gibbs*, 1898.]

R. hirtus *W. & N.*

Native. *E.* Woods, copses. Rare. S. July-Aug.

First noted, *Hb. Mason* (f. *Rogers*), 1899; record, *Rogers Brit. Rub.*, 1900.

T3. Bryan's Copse, Smisby, *Hb. Mason.*

R dumetorum *W. & N.*, var. ferox *Weihe.*

Native. *E.* Hedges, road margins, commons. Frequent. S. July-Aug.

First record, *J.B.*, 1884; see also *B.E.C. Rep.*, 1893, 368.

L. Abundant in the Via Gellia, *B. & N.*, *J.B.*

G2. Near Wirksworth, *Gibbs.* Abundant at Whatstandwell, *B. & N.*, *J.B.*

C. Dore, *The Naturalist.* Beighton.

T1. Hoon, near Tutbury; about Kedleston Park; near Shirley; Edlaston; near Ashbourne.

T3. Bretby, *Gibbs.* Repton, *Painter.*

Var. *diversifolius* (Lindl.)

First record, *Purchas*, *J.B.*, 1885.

L. A slender form occurs in Dovedale, near the rock called Pickering Tor; hedges between Parwich and Alsop-le-Dale (var. *intensus*), *Purchas*, *J.B.*

G1. Between Bugsworth and New Mills, *Rogers*.

G2. Pincham's Hill, Belper; Shottle Gate; Duffield; Ambergate.

C. Denby.

P. Bolsover.

T1. Mugginton; Mackworth, *Painter*, *Natt*. Allestree; Wood Lane, Brailsford; Nether Biggin; Shirley; Longford; Cubley; Bradley; Eaton Wood; Green Lane; Norbury (var. *intensus*); Sudbury.

T3. Repton (var. *intensus*), *Hagger*, *C.D.* Between Melbourne and Castle Donnington, *Purchas*, *J.B.* About Repton Rocks, *Gibbs*. Near Willington.

Var. *rubriflorus* Purchas. *B.E.C. Rep.*, 1890, 257. *R. diversifolius*. *B.E.C. Rep.*, 1891, 292.

G2. Wirksworth, *Gibbs*.

C. Killamarsh, *Gibbs*. Near Bagthorpe Farm, Old Brampton; Walton; Spink Hill, Eckington; Newton Wood; Fritchley.

P. Bolsover; Cresswell; Langwith.

T1. Boylestone; Etwall, *Gibbs*. Shirley; Yeaveley; Cubley; Somersal Herbert; Markeaton; Longford; Barton Blount; Church Broughton.

T3. Egginton Common.

Var. *tuberculatus* Bab. *R. scabrosus* Lond. Cat., 8th Ed.; *J.B.*, 1884.

L. Frequent, ascending the Wye Valley to 350 yards, near the Lovers' Leap, *Baker*, *J.B.*

G2. Hazelwood.

C. Breadsall Moor, *Painter*, *Natt*.

T1. Brailsford (*B.E.C. Rep.*, 1888, 177); Shirley; Sturston.

T3. Bretby; Milton; Repton, *Gibbs*.

Var. *concinnus* Baker. *J.B.*, 1884.

L. One of the commonest brambles in and about Matlock, ascending to 300 yards, *B. & N.*, *J.B.* Bar Moor Clough; Miller's Dale, *Painter*. Ashwood Dale, *Rogers*. Kirk Dale, Ashford.

G1. Chapel-en-le-Frith, *Rogers*. Whaley Bridge, *B.E.C. Rep.*, 1890, 258. Charlesworth; Mills, near Mellor; Ashopton; Bamford; Hathersage.

G2. Duffield, *Gibbs*. Eyam Moor; Shatton; Stokemoor Wood, Grindleford; Callow, near Wirksworth; Belper.

C. Common in hedges, *The Naturalist*. Duckmanton; Denby; Alfreton; Shirland; Dale.

P. Bolsover.

T1. Near Derby, *Painter*. By Allestree Park; Bradley; Shirley; near Marston Montgomery.

T2. Risley Park.

T3. Willington, *Gibbs*.

Var. *fasciculatus* (P. J. Muell.), *J.B.*, 1893, 41 1895, 105.

T1. Corley, near Bradley; Shirley.

R. corylifolius *Sm.*

Native. B. Hedges, woods, banks. Frequent. S. End of June-Aug.

First record, *Watson's Cyb. Brit.*, 1852.

L. Up the Wye Valley into Ashwood Dale, 300 yards, *Baker, J.B.* Dovedale, *B. & N., J.B.* Cressbrook Dale, *Painter.* Miller's Dale, *Rogers.* Hathersage; Ecclesbourne Brook.

P. Bolsover.

T1. Mugginton; Brailsford to Kedleston; Markeaton; about Tutbury Station; Hatton; Sudbury.

Var. *sublustris* (Lees). *J.B.*, 1884.

L. About Matlock, *B. & N., J.B.* Monsal Dale; Miller's Dale; Ashwood Dale, *C.D.* Ashford; Brough; Coomb's Dale, Calver.

G1. Win Hill; between Bamford and Hathersage; Thornhill.

G2. East of Bradwell; Froggatt; Rowsley; Duffield.

C. Sutton; Denby; Beighton.

P. Clowne; Pleasley.

T1. Mugginton, *Painter, Nat^t.* Sinfin Moor; Allestree; Church Broughton; Hatton; Etwall; Trusley; Longford; Shirley.

T2. Chellaston, *Painter, Nat^t.* Long Eaton; near Trent Station, and Sawley.

T3. Hedges about Smisby, *Purchas, J.B.* Bretby, *Gibbs.*

Var. *cyclophyllus* Lindeb. Var. *conjungens* Bab. *J.B.*, 1884.

L. Via Gellia, *B. & N., J.B.*

G2. Wirksworth, *Gibbs.*

T1. Doveridge, *Gibbs.* Ednaston.

T3. Near Ticknall, *Purchas, J.B.* Bretby; Milton, *Gibbs.*

R. Balfourianus *Blox.*

Native. *EB.* Hedges, copses. Rather rare. S. July-Aug.

First record, *J.B.*, 1895, 105.

G2. Shottle Gate; Belper.

T1. Slack Lane, Brailsford; lane north of Ednaston Lodge; roadside at Upper Biggin.

R. cæsius *L. Dewberry.*

Native. EB. Woods, hedges, rocks. Frequent on dry soils, especially on limestone. S. June-Aug.

First record, *Pilkington*, 1789.

L. Frequent in Miller's Dale, ascending to 300 yards over Cressbrook, *Baker, J.B.* Dovedale; Matlock Bath, *B. & N., J.B.* Chee Dale, Wormhill, 350 yards, *West, J.B.* Cromford, *Bailey.* Brassington Rocks, *Gibbs.* Middleton Dale, *Hb. Salt.* Bradwell, *Painter, Nat^t.* Ashford.

G2. Wirksworth, *Gibbs.* Between Hassop and Baslow; near R. Derwent, above Allestree.

C. Near Killamarsh Station; Newton Wood; Barlborough.

P. Whitwell; Cresswell, *The Naturalist.* Bolsover; Langwith Wood; Scarcliffe Park Wood; Cresswell Craggs.

T1. Mickleover, *Gibbs.* Allestree; Kedleston Park; Markeaton; Longford Rodsley.

T2. Ockbrook, *Smith MSS.* Near Thrumpton Ferry, and Trent Lock; Sawley.

T3. About Calke, *Purchas, J.B.* Repton; Bretby, *Gibbs.*

Var. *aquaticus* W. & N. Var. *umbrosus* Reich. Var. *agrestis* Bab. *J.B.*, 1895.

L. Monsal Dale; Cressbrook Dale, *Purchas.*

Var. *tenuis* Bell Salt. *J.B.*, 1895.

L. Near High Tor, Matlock Bath, *Watson's B.E.C. Rep.*, 1895, 6.

Var. *arvensis* Wallr. Var. *ligerinus* Genev. Var. *ulmifolius* Bab.

L. Ballidon, *B.E.C. Rep.*, 1890, 258. Lathkil Dale.

Various hybrid rubi have been noticed in the County, as:—

R. Lindleianus × R. Radula.

T1. Wood Lane, Brailsford.

R. Lindebergii × R. Sprengelii.

T1. S.E. corner of Hulland Moss, *B.E.C. Rep.*, 1893, 368 (*nemoralis* × *Sprengelii*).

R. calvatus × R. criniger.

T1. The Knowl, Bradley, *B.E.C. Rep.*, 1893, 368 (*calvatus* × *pubescens*).

R. rusticanus × R. leucostachys.

T1. Sturston, and other localities near Shirley.

R. leucostachys × R. Sprengelii.

T1. Between Shirley Mill and Wood.

R. cæsius × R. Idæus.

L. Between Hipley Rock and Longcliff Wharf, between Ashbourne and Matlock, *B.E.C. Rep.*, 1888, 177. Griff Wood; Via Gellia, *Purchas, J.B.* Between Matlock Bridge and Brightgate.

R. saxatilis *L.*

Native. SH. Rocks, stony mountain slopes. Rather rare. S. June-Aug.

First record, *Withering*, 1787.

L. Topley Pike, *Buxton Guide.* Miller's Dale, *Harris, C.D.* Chee Dale; Wormhill, *West, J.B.* Cressbrook Dale, *Whitelegg, C.D.* Ashford Dale, *Bailey, C.D.* Dovedale, *Purchas.* Lathkil Dale; Monsal Dale, *Smith MSS.* Fin Hill, near Brushfield; Via Gellia, *Watson's N.B.G.* Great Rocks Dale; Sheldon; Coomb's Dale, near Calver.

G1. Near Snake Inn.

G2. Hills opposite Matlock Bath, *Pilkington.*

R. Chamæmorus *L.* *Cloudberry. Knoutberry.*

Native. H. High mountain moorland. Plentiful locally. S. May-July.

First record, *Leigh, Nat. Hist.*, 1700. "Among the scarce plants of Derbyshire," p. 94.

G1. Axe Edge, especially descending the clough on the north, 550 yards, *Baker, J.B.* Kinderscout, *West, J.B.* Bleaklow Hill (1,600 feet), *Gibbs.* Chapel-en-le-Frith; Colbourne Moors; near Edale Cross, *Gisborne.* Jaggers Clough; the Edge, near Ashop Clough.

[**Dryas octopetala** *L.* *Mountain Avens.*

L. Near Ashwood Dale, Buxton, *Jewitt*, 1811. As this species occurs in a similar locality in the W. Riding, Yorkshire, it is quite possible for it to have occurred at the above station; it has not apparently been noticed in recent years.]

GEUM *L.*

G. urbanum *L.* *Avens. Herb Bennet.*

Native. BE. Hedge-banks, woods, thickets. Common. P. June-Aug.

First record, *Pilkington*, 1789.

"Common in the limestone woods up to 300 yards," *Baker, J.B.*

G. rivale *L.* *Water Avens.*

Native. BS. Brook banks, meadows, woods. Frequent. P. June-July.

First record, *Pilkington*, 1789.

L. Wye Valley up to 300 yards, *Baker, J.B.* Middleton Dale, *Gibbs.* Cressbrook Dale; Miller's Dale, *Painter, J.B.* Ashwood Dale; Lathkil Dale, *C.D.* Matlock Bath, and Cromford, *Rowland, C.D.* Haddon, *Bindley.* Dovedale, *Nowers.* Brough; Carsington; near Hognaston.

G1. Castleton. Beard's Wood, near Low Leighton, *Pilkington.*

G2. Wirksworth; Rowsley; Baslow, *Gibbs.* Calver, *Miss Armitage.*

C. Holmesfield; Killamarsh, *Gibbs.* Ault Hucknall. Pinxton, *Pilkington.*

P. Scarcliffe Park Wood.

T1. Etwall, *Gibbs.* Hognaston, *Painter, Nat^t.* Shirley.

T2. Plentiful in a bog, Breadsall, *Whittaker, Phyt.*

T3. Hedge-banks and woods about Calke, *Purchas, J.B.* Bretby, *Gibbs.* Repton, *Hagger, C.D.*

Var. β. Matlock, *Bot. Guide.* This is a cultivated plant with double red flowers, and is described in *Smith's Eng. Fl.*, ii.

G. rivale × urbanum (intermedium *Ehrh.*).

Native. B? Hedges and woods. Local. P. June-July.

First record, *Eng. Botany*, 1793.

L. Chee Tor, *Painter, J.B.* Miller's Dale, *B.L. Rec.*, 1874. Between Matlock Bank and Cromford, *Crewe & Whittaker.* Lathkil Dale, *Gibbs.* Bakewell; Dovedale, *Smith MSS.* Near Ashbourne, *Purchas.* Roadside near Carsington; between Bradbourn Mill and Bradbourn.

G2. Banks of the Derwent, near Calver, *Miss Armitage.*

C. Hucknall Wood.

T1. By the water-wheel, Osmaston Park, near Ashbourne, *Miss Sandford.*

FRAGARIA *L.*

F. vesca *L.* *Wild Strawberry.*

Native. B. Hedgebanks, woods. Common. P. May-June.

First record, *Pilkington*, 1789.

Generally distributed. "Limestone dales up to 350 yards," *Baker, J.B.* At Heath End (T3), occurred a white-fruited variety in some plenty, scarcely to be distinguished from what I have seen grown in gardens as the "Alpine Strawberry," *Purchas, J.B.*

F. elatior *Ehrh.* *Hautboy Strawberry.*

Denizen. *E.* Woods, banks. Rare. P. May-June.

First record, *Stevens*, 1864.

L. Near Haddon, *Barrow.*

G2. Edgehill Wood, near Duffield, *Stevens.*

T1. By Egginton Station.

T2. On a bank, Green Lane, Ockbrook, *Smith MSS.* (Now extinct, *Painter, J.B.*) Breadsall, probably escaped from a garden, *Crewe & Whittaker.* This species occurs in Springwood, just over the border (T3), quite wild, *Purchas.*

POTENTILLA *L.*

P. Fragariastrum *Ehrh.* *Barren Strawberry.*

Native. B. Woods, hedgebanks, bushy places. Common. P. March-June.

First record, *Pilkington*, 1789. *Fragaria sterilis.*

"Limestone dales, up to 300 yards," *Baker, J.B.*

P. verna *L.*

Native. B? Limestone dales. Local. P. April-May.

First found, *Salt*, 1801, *Hb. Salt*; first record, *Watson's N.B.G.*, 1835.

L. Monk's Dale, 350 yards; Tideswell, *West, J.B.* Monsal Dale; Miller's Dale; Lathkil Dale, *Painter, J.B.* Between Stony Middleton and Eyam, *Linton.* Buxton, *Buxton Guide.* Dovedale, *Purchas.* Great Rocks Dale; Cressbrook Dale.

P. silvestris *Neck.* *Tormentil.* *P. Tormentilla* Scop.

Native. B. Roadsides, banks, pastures, heaths. Common. P. June-Sept.

First record, *Pilkington*, 1789. *Tormentilla erecta.*

"Ascends nearly to the summit of Axe Edge, 550 yards," *Baker, J.B.*

"At Matlock, ascends to 350 yards, but seldom seen on the limestone," *B. & N., J.B.*

P. procumbens *Sibth.*

Native. B. Roadsides, field borders, banks. Frequent. P. June-Sept.

First record, *Painter, J.B.*, 1881.

L. Miller's Dale, *Searle, C.D.* Via Gellia, *West, J.B.* Longstone Edge.

G1. Axe Edge; between Bugsworth and Whaley Bridge, *Rogers, J.B.* Moor on Burbage, 450 yards, *Baker, J.B.* Hayfield; Mills, near Mellor; Edale; Ashopton.

G2. Hathersage; Froggatt; Hay Wood, and Stokemoor Wood, near Grindleford Bridge.

C. Lounge Wood, Unstone; Codnor; Barlborough Low Common; Cobnar Wood, by Barlow Brook; Troway; Totley; Wingerworth; Ault Hucknall.

T1. Mugginton; Brailsford; Shirley; Osmaston-by-Ashbourne.

T3. Burton-on-Trent, *Painter, J.B.*

P. procumbens × reptans (mixta *Nolte*).

L. Dovedale, *Purchas.*

G1. Heaths about Buxton, *C.D.*

T1. North side of Kedleston Park.

P. procumbens × silvestris (suberecta *Zimm*).

G1. Ashopton, on the Sheffield Road; near Woodhays, Chisworth.

G2. Between Hillcliff Lane and Cross o' th' Hands.

T1. Breward's Car, Mugginton; Bradley, *J.B.*, 1893, 326. Slack Lane, Brailsford.

P. reptans *L.* *Common Cinquefoil.*

Native. EB. Hedge-banks, roadsides, waste ground. Common. P. June-Sept.

First record, *Pilkington*, 1789.

General, except in G1, where it is less common, but recorded for Mellor, *Fl. Ashton.* "Chee Tor Dale, etc., 250 yards," *Baker, J.B.* Totley Moss, 350 yards.

P. anserina *L.* *Silver Weed.*

Native. B. Roadsides, waste ground, commons. Common. P. June-Aug.

First record, *Pilkington*, 1789.

"Common up to 400 yards," *Baker, J.B.*

P. argentea *L.*

Native. EG. Dry banks and waysides, pastures. Rare. P. June-Aug.

First record, *Salmon's Botanologia*, 1710. "Gerarde says that he found it growing on the Mountains of the Peak."

T1. On the Markeaton Road, near Derby Lodge, *Glover.*

T2. One plant near Sandiacre Church, *Atkinson, C.D.*

P. palustris *Scop.* *Marsh Cinquefoil. Comarum palustre* L. *P. Comarum* Nestl.

Native. BS. Bogs, marshes. Locally plentiful. P. June-July.

First record, *T. Martyn*, 1763. Also in *Gough's Camden*, 1789.

L. Chrome Hill and Hogshaw Lane, Buxton, *Painter, J.B., & Natt.* Near the Ebbing and Flowing Well at Tideswell, *Gough's Camden.*

G2. Tansley Moor, *Stevens.*

C. Blake Brook, near Baslow.

T1. Between Wyaston and Rodsley, *Smith, MSS.* Marsh by side of Yeldersley Lane; lime quarries, Snelston; between Cubley and Marston Montgomery; Mugginton.

T3. Gresley, *Painter, J.B.* Repton Rocks, *Wild Fl. Rept.*

ALCHEMILLA *L.*

A. arvensis *Scop. Parsley Piert.*

Native. B. Arable land, fields, waysides. Common. A. May-Aug.

First record, *Pilkington*, 1789. *Aphanes arvensis.*

"Wye Valley, 200-250 yards," *Baker, J.B.* Generally distributed.

A. vulgaris *L. Lady's Mantle. Bearsfoot.*

Native. B. Pastures, meadows, waysides. Common. A. May-Aug.

First records, *Ray Hist. Pl.*, 1686; *Gibson's Camden*, 1695; *Magn. Brit. & H.*, 1720.

"Common up to 500 yards above Buxton," *Baker, J.B.* "Matlock, up to 300 yards," *B. & N., J.B.*

Var. *pratensis* (Schmidt).

L. Brough; Great Shacklow Wood, Ashford; Oxlow Rake.

G1. Hayfield; Edale; Hood Brook, Hathersage.

G2. Abney.

C. Unstone; Totley Moss, 400 yards.

T1. Yeaveley.

Var. *alpestris* (Schmidt).

L. Peak Forest; Stony Middleton; Hartle Dale, Bradwell; Harborough Rock and near Carsington.

G1. Edale; Sparrowpit, near Chapel; Woodseats, Castleton; Hood Brook, Hathersage.

G2. East of Bradwell.

T1. Hognaston; by pond between Wyaston and Shirley.

T3. Repton, *Hb. Mason!*

Var. *filicaulis* (Buser).

L. Miller's Dale, *Hb. Mason!* Fields on the banks of the Wye, ib. (*A. montana* Willd.), *Bailey, B.L. Rec.*, 1876. Monsal Dale, *Linton.* Taddington Dale; Stony Middleton.

G1. Hayfield; Edale; Hathersage.

G2. Near Owler Tor, towards Eyam Woodlands; Ambergate.

C. Troway; Crowhole, near Barlow; Totley; by the canal, Renishaw; Millthorpe, near Holmesfield; between Tibshelf and Hucknall.

P. Between Barlborough and Whitwell.

T1. Edlaston; Shirley; Abbott's Clowne Holme; Stydd; between Alkmonton and Longford; Cubley; Lower Thurvaston; meadows below Quarndon.

T3. Repton, Parson's Hills, *Linton*, 1863. Egginton Common.

AGRIMONIA *L.*

A. Eupatoria *L.* *Agrimony.*

Native. BE. Roadsides, wood borders, banks. Frequent. P. June-Aug.

First record, *Pilkington*, 1789.

L. Monk's Dale, 350 yards, *West*, *J.B.* Miller's Dale and Monsal Dale, *Baker*, *J.B.* Via Gellia, *Rogers.* Longstone Edge; Dirty Rake, Eyam; west of Wensley, on shale. Rock above Churnhole, near Buxton, *Jewitt.*

G2. Highlow Hall, near Abney; Baslow, and near Robin Hood's Inn. Duffield, *Glover.*

C. The Hague, Renishaw, *Waterfall.* Millthorpe, near Holmesfield; Loscoe; Sutton Scarsdale.

P. Bolsover; Scarcliffe Park Wood.

T1. Etwall, *Gibbs.* Mickleover, *Bindley.* Foston; Cubley Common; Hoon; Longford, at Mammerton; Snelston Common; Shirley.

T2. Spondon Fields, *Smith MSS.* Chellaston, *Painter*, *Nat^t.* Breadsall, &c., common, *Crewe & Whittaker.*

T3. About Calke, *Purchas*, *J.B.* Bretby, *Gibbs.* Between Repton and Twyford, *Wild Fl. Rept.* Walton-on-Trent, *Nowers.*

A. odorata *Mill.*

Native. E. Wood borders, roadsides, banks. Rare. P. June-Aug.

First record, *Painter*, *J.B.*, 1881.

L. Miller's Dale, *Painter*, *J.B.* Alport, near Youlgreave.

G1. Near Mill Brow, Mellor.

G2. Lane-side above Bubnell, Baslow; Lindup Wood, Chatsworth.

C. Duckmanton.

T1. Lane-side at Ladyhole Farm, near Ashbourne.

POTERIUM *L.*

P. Sanguisorba *L.* *Salad Burnet.*

Native. E. Grassy slopes. Not uncommon, especially on limestone. P. May-Aug.

First record, *Pilkington*, 1789.

L. Common on limestone cliffs and banks, 200-400 yards, *Baker*, *J.B.* Miller's Dale; Matlock Bath; Cromford, *Painter*, *Nat^t. and J.B.* Monk's Dale, Wormhill, *West*, *J.B.* Youlgreave; Via Gellia, *Gibbs.* Dovedale, *Purchas.* Carsington Pastures.

G1. Dinting; Ashopton.

G2. Stanton, *Hb. Mason!* Crich Stand, *Drabble.*

P. Whitwell; Cresswell, *The Naturalist.* Bolsover; Elmton; Markland Grips; Palterton.

T2. Ockbrook; Sawley, *Smith MSS.* Breadsall, *Whittaker*, *Phyt.* Near Thrumpton Ferry.

T3. Ticknall and Calke, *Purchas*, *J.B.* Repton, *Wild Fl. Rept.*

***P. polygamum** *Waldst. & Kit.*

Casual. E.

T1. Mickleover, *Painter*, *Nat*[t].

P. officininale *Hook. fil.* *Great Burnet.* *Sanguisorba officininalis* L.

Native. IE. Damp meadows, moist grassy slopes. Frequent. P. June-Aug.

First record, *Pilkington*, 1789.

L. Monk's Dale, Wormhill, 350 yards; Matlock, *Painter & West*, *J.B.* Near Hartington, *Purchas.* Lover's Leap, Buxton, *C.D.* Castleton; Bakewell, *Watson's N.B.G.*

G1. Meadows and even sometimes a cornfield weed, up to 400 yards, *Baker*, *J.B.* Near Whaley Bridge, *Watson's N.B.G.* Fernilee, *Barker.* Chapel-en-le-Frith, *Barrow.* Stirrup, *Fl. Ashton.* Edale; Hood Brook, Hathersage; near Eyam.

G2. Whatstandwell, *B. & N.*, *J.B.* By Cromford Canal, *Rogers.* Baslow; Rowsley, *The Naturalist.* East of Bradwell; Ecclesbourn Brook; by the Derwent, above Allestree.

C. Killamarsh; Holmesfield, *The Naturalist.* The Hague, Renishaw, *Waterfall.* Calow and Spital, Chesterfield, *Drabble.* Brierly Wood, near Unstone; Eckington; Beighton; Dale.

P. Bolsover; Clowne.

T1. Normanton-by-Derby, *Painter*, *J.B.* Mickleover, *Bindley.* Etwall, *Gibbs.* Shirley; Mammerton, near Longford.

T2. Morley, *Whittaker*, *C.D.* Sandiacre; Sawley.

T3. Burton-on-Trent, *Painter*, *J.B.* About Calke, *Purchas*, *J.B.* Bretby, *Gibbs.* Repton, *Wild Fl. Rept.* Drakelow.

ROSA *L.*

R. pimpinellifolia *L.* *Burnet Rose.* *R. spinosissima* L.

Native. B. Dales, heaths, hedges. Rare except on limestone. S. June-July.

First record, *Pilkington*, 1789.

L. Monsal Dale, and plentiful about Cressbrook amongst the limestone debris, 200-300 yards, *Baker*, *J.B.* Some plants at Monsal Dale with red fruit, *Rogers*, *J.B.* High Tor, Matlock, *Crewe & Whittaker.* Between Buxton and Tideswell, *Murray.* Dale near Chelmorton, *Buxton Guide.* Middleton Dale, *Hb. Salt.* Great Rocks Dale; Longstone Edge.

G1. Chapel-en-le-Frith, *Rogers*, *J.B.*

C. Dale, *Hassé*, *C.D.*

T1. Hedges and pastures at Rough Heanor, *Pilkington.*

R. mollis × spinosissima. *R. involuta* Sm.

Native. B. Woods and bushy places. Rare. S. June.

First record, *B.L. Rec.*, 1881.

L. Chee Dale, several bushes, mostly sterile, and slope of Chee Tor, towards Miller's Dale Station. Probably the same hybrid is recorded sub. nom. Sabini (*Woods*), from Middleton Dale, *Carr*, *B.L. Rec.* 1881, 188; and Lathkil Dale, *Bailey*; and sub. nom. Doniana (*Woods*) and Robertsoni *Baker*, from Monsal Dale, *Painter*, *J.B.*

T1. Mickleover (sub. nom. involuta), *Painter*, *Nat*. ?

R. mollis *Sm.*

Native. B. Hedges, wood borders. Not uncommon. S. June-July.

First records, *Pilkington*, 1789; *Purton*, 1821. *R. villosa.*

L. Wormhill, 350 yards, *West*, *J.B.* Miller's Dale, Taddington Wood, 200-300 yards, *Baker*, *J.B.* About Matlock, up to 300 yards, *B. & N.*, *J.B.* Cressbrook Dale; Dovedale, *Painter*, *J.B.* Via Gellia with simply serrate leaflets, *Rogers*, *J.B.* Lathkil Dale, *Crewe & Whittaker.* Middleton Dale, *Purton.* Longstone Edge; Bradwell.

G1. Ashopton; near Hope.

G2. Shatton; near Great Hucklow.

C. Near Holmesfield, *The Naturalist.* Heanor, *Watson's N.B.G.* East of Totley.

T1. Mickleover, *C.D.* Shirley; Yeldersley.

T3. At Heath End, Calke; scarce and not very characteristic, but recognised by Mr. Baker as this species, *Purchas*, *J.B.*

Var. *cærulea* Woods.

L. Matlock, *B. & N.*, *J.B.* Wormhill, *West*, *J.B.* Between Middleton and Youlgreave.

T1. Hognaston; Bradley, between Bradley Smithy and Bradley Park.

R. tomentosa *Sm.*

Native. B. Hedges, woods, heaths. Frequent. S. June-July.

First record, *Martyn*, *Phil. Trans.*, *XXXVI.*, 1729. *Rosa sylvestris alba cum aliquo rubore foliis hirsutis.*

L. Miller's Dale, not plentiful, 200-300 yards, *Baker*, *J.B.* Dovedale; Matlock, frequently up to 300 yards, in a wide range of forms, of which the most interesting was one with *scabriuscula* leaves and sepals, falling while the fruit was still green, on the ridge of hill between Bonsall and Matlock Bridge, *B. & N.*, *J.B.* Buxton, *Buxton Guide.* Middleton Dale; Pin Dale, near Castleton.

G1. Chapel-en-le-Frith, *Rogers*, *J.B.* Charlesworth, *Fl. Ashton.* Castle Rocks, Allport Dale; Hood Brook, Hathersage.

G2. Between Cromford and Whatstandwell, *Bailey*, *C.D.* Abney Clough; east of Bradwell. "In several hedges about Hathersedge," *Martyn.*

C. East side of Ley's Fen, Old Brampton.

T1. Near Ashbourne, *B.E.C. Rep.*, 1888, 214; Near Ladyhole Farm, Ashbourne; between Kedleston and Brailsford. In pastures at Rough Heanor, *Pilkington.*

T2. Morley, *Crewe & Whittaker*. Spondon; Ockbrook, *Hassé*, *C.D.*

T3. Stanton-by-Bridge, "characteristic *tomentosa*" (*Baker*); also a variety which tends towards *mollis*. The Scaddows, Ticknall, *Purchas*, *J.B.* Repton, *Wild Fl. Rept.* Swarkeston.

Var. *subglobosa* (Sm.).

L. Miller's Dale, *C.D.*

P. Pleasley.

T1. Between Church Broughton and Sutton.

Var. *scabriuscula* (Sm.).

L. Wye Valley, east of Miller's Dale, *Rogers*.

T1. Mickleover, *Painter*, *J.B.* Between Hulland and Mansell Park; Brick-kiln Lane, Shirley; between Ednaston and Hollington (*B.E.C. Rep.*, 1887, 178).

T3. Between Melbourne and Castle Donnington, *Purchas*, *J.B.*

R. rubiginosa *L.* *Sweet Briar.*

Native? E. Hedges, bushy places. Rare. S. June-July.

First record, *Pilkington*, 1789.

T1. Between Snelston and Osmaston-by-Ashbourne; near Edlaston Church, *Smith MSS.* Pastures at Rough Heanor, near Mickleover, *Pilkington*.

T2. Spondon Fields, *Smith MSS.* Breadsall, *Whittaker*, *J.B.*

T3. Repton, *Wild Fl. Rept.*

R. micrantha *Sm.*

Native. E. Hedges, heaths. Not uncommon. S. June-July.

First record, *Smith MSS.*, 1854-1870.

L. Longstone Edge.

P. Bolsover; Glapwell.

T1. Between Clifton and Hill Top, near Ashbourne, *Smith MSS.* Main road, Ashbourne towards Derby, *Purchas*. East of Hulland Ward; Shirley; Yeldersley Lane.

R. obtusifolia *Desv.* Var. *frondosa* Baker.

Native. E. Hedges. Not uncommon. S. June-July.

First record, *B. & N.*, *J.B.*, 1884.

L. About Matlock, *B. & N.*, *J.B.*

G1. Edale.

G2. Froggatt.

T1. Near Mansell Park, Hulland; near the Ash Cover, Bradley.

Var. *tomentella* (Leman).

L. Middleton Dale.

G1. Near the Snake Inn; Edale; Mills, near Mellor.

G3. Shatton; about Baslow.

C. Woods S.E. of Westthorpe; Marehay, near Ripley.

P. Bolsover; Clowne; Glapwell.

T1. Shirley (*B.E.C. Rep.* 1887, 179); Longford (*B.E.C. Rep.*, 1890, 298); Snelston Common; Brailsford; Bradley; Allestree; Marston-on-Dove.

T2. Ockbrook, *Smith*, *C.D.* Between Trent Station and Thrumpton Ferry.

T3. Between Heath End and the foot of Pistern Hill, *Purchas*, *J.B.* Repton, *Painter*.

F. decipiens (Dumort).

L. Cressbrook Dale (f. Baker), *C.D.*

T1. S.W. of Mugginton; fields near Brailsford Park Farm; near Ladyhole, Ashbourne.

R. canina *L.* *Dog Rose.*

Native. B. Hedges, woods, roadsides. Common. S. June-July.

First record, *Pilkington*, 1789. *Hip Tree.*

Var. *lutetiana* (Leman.)

L. Common in the limestone dales, 200-300 yards, *Baker*, *J.B.* Miller's Dale; Monsal Dale; Bonsall, *Rogers*.

G1. Chapel-en-le-Frith, *Rogers*. Near the Snake Inn; Castleton.

G2. Froggatt.

P. Bolsover.

T1. Sinfin Moor; Shirley, &c.

T2. Frequent about Derby, *C.D.*

T3. Calke, *Purchas*, *J.B.* Repton, *Hagger*, *C.D.*

F. *Malmundariensis* (Lej.).

T1. Shirley; Yeldersley.

T3. Ticknall, *Purchas*, *J.B.*

F. *andegavensis* (Bast.).

L. About Matlock, *B. & N.*, *J.B.* Longstone Edge.

G2. Near Cromford Canal, *Rogers*, *B.L. Rec.*, 1884-6, 96. By Brough.

T1. Shirley, *Wats. B.E.C. Rep.* 1892, 9; Yeldersley; main road, Ednaston.

T2. Risley Park.

Var. *surculosa* (Woods).

P. Scarcliffe.

T1. Near Bradley Park Farm.

Var. *sphærica* (Gren.).

L. Matlock, *B. & N.*, *J.B.* Miller's Dale, *C.D.*

T1. The Pastures, Edlaston.

Var. *senticosa* (Ach.).

L. Coomb's Dale, near Calver; Brough.

T1. Ridge Lane, near Atlow, *B.E.C. Rep.*, 1889, 260. Shirley, hedges above the Vicarage.

Var. *dumalis* (Bechst.).

L. Common in the limestone dales, *Baker*, *J.B.* Matlock Tor, *Rogers*. On quarry refuse near Cromford, *Bailey*, *B.L. Rec.*, 1884-6, 125. Dovedale, *Painter*, *J.B.* Bradwell; near Hope.

G1. Barmoor Clough, *C.D.* Allport Dale; Ashopton; Castleton; Edale; Eccles Pike; Combes Moss.

G2. East of Bradwell; Shatton.

P. Elmton; Scarcliffe; Glapwell.

T1. Allestree, and by Allestree Park; Mackworth; Shirley; Marston-on-Dove.

T2. Breadsall, *C.D.* By the Trent, near Sawley.

T3. Between Calke and Southwood (teste *Baker*), *Purchas*, *J.B.* Repton, *Hagger*, *C.D.*

F. *psilophylla* Rau.

L. Hassop Mines.

T1. Near Yeldersley Rough; Longford.

F. *verticillacantha* (Mérat).

G1. Hope.

G2. Great Longstone.

P. Pleasley.

T1. Bradley, and Stydd, *B.E.C. Rep.*, 1888, 215; Shirley.

Var. *vinacea* Baker.

L. Miller's Dale; Monsal Dale, *Rogers*.

T1. Lane between Shirley Village and main road to Ashbourne.

Var. *Blondæana* (Rip.).

L. Near the school-church near Cressbrook House (sub. nom. *marginata* Wallr.), *Baker*, *J.B.* Miller's Dale, especially on the hill opposite the railway station, *Rogers*.

G2. Froggatt.

T1. Yeldersley, *B.E.C. Rep.*, 1893, 414; Bradley; Shirley; between Ednaston and Hollington.

Var. *urbica* (Leman.).

L. Taddington Wood, a form with glandular sepals, *Baker*, *J.B.* Wye Valley, between Miller's Dale and Monsal Dale, *Rogers*. About Matlock, *B. & N.*, *J.B.* Pin Dale; Longstone Edge.

G1. Near the Snake Inn; near Castleton.

G2. Near Cromford Canal, *Rogers*. Great Longstone; Froggatt; south of Hathersage.

P. Bolsover; Glapwell.

T1. About Derby, *C.D.* Allestree; Sinfin Moor; Shirley; Marston-on-Dove; Doveridge.

T3. Willington, *Painter*, *J.B.* Repton, *Hagger*, *C.D.* "A somewhat hairy rose between Stanley's Barn and White Hollows was referred to this by Mr. Baker," *Purchas*, *J.B.*

F. *platyphylla* (Rau.).

P. Palterton.

T1. Yeldersley, near Ashbourne; a common form in this district.

Var. *dumetorum* (Thuill.).

G1. Ashopton.

C. Marehay, near Ripley.

T1. Slack Lane, Brailsford.

T3. Calke, *Bloxam*.

Var. *Kosinsciana* Bess.

TI. Sinfin Moor, below Derby; Shirley, *J.B.*, 1888, 330.

Var. *arvatica* Baker.

L. About Matlock, *B. & N.*, *J.B.* Matlock Tor, Rogers, *B.L. Rec.*, 1884-6, 126. Near Fin Cop, Ashford.

G1. Near the top of the hill between Bugsworth and R. Goyt, *Rogers*. Edale.

G2. Near the Cromford Canal, Rogers, *B.L. Rec.*, 1884-6, 95. Froggatt.

P. Bolsover.

T1. Shirley.

F. *cæsia* (Sm.).

L. Dovedale, *Purchas*, *J.B.* Cressbrook Dale, *C.D.* Monsal Dale.

G1. Ashopton; Edale, a form with glandular peduncles, also found at Hathersage, and by Hood Brook.

G2. Near Great Hucklow; Little Longstone.

T1. Shirley; Sinfin Moor.

T3. Near Heath End, Calke, *Purchas*, *J.B.*

R. glauca *Vill.* *R. Reuteri* Godet.

Native. *SB.* Hedges, roadsides. Not uncommon. S. June-July.

First records, *J.B.*, 1884; and *B.L. Rec.*, 1884-6.

L. Miller's Dale, *Baker*, *J.B.* About Matlock, *B. & N.*, *J.B.* Cressbrook Dale; Monsal Dale, *C.D.* Near Hope; Coomb's Dale, near Calver.

G1. Chapel-en-le-Frith, *Rogers*, *B.L. Rec.*, 1884-6, 96. Hathersage; Bamford; Thornhill.

G2. Abney Clough; south of Hathersage; Froggatt; east side of Bradwell; near Great Hucklow.

P. Scarcliffe.

T1. Hulland, *B.E.C. Rep.*, 1889, 260; Shirley, *B.E.C. Rep.*, 1887, 179; Yeldersley, *B.E.C. Rep.*, 1888, 215; Clifton.

F. *transiens* (Kern.).

L. Bradwell.

T1. Dobbin Horse Lane, Clifton, *B.E.C. Rep.*, 1887, 179.

Var. *suberistata* Baker.

L. Miller's Dale, *Baker*, *J.B.* Monsal Dale, *Rogers*. Matlock, *B. & N.*, *J.B.* Dovedale, *Painter*, *J.B.* Pin Dale, near Castleton; Great Shacklow Wood, and Kirk Dale, near Ashford; Lathkil Dale.

G1. Near Eyam, towards Grindleford Bridge.

G2. Banks of canal between Whatstandwell and Cromford, *Bailey* (but Baker queries *B.L. Rec.*, 1884-6, 126). Near Great Hucklow; Shatton; Froggatt.

C. Near Slate-pit Dale, towards Wingerworth.

T1. Lane west side of Bradley Wood; near the Knob, Hulland, and also at Spinnyford Brook.

Var. *implexa* (Gren.).

G1. Near Castleton; Cockyard, Chapel-en-le-Frith.

T1. Shirley; Yeldersley.

T3. Repton, *Painter*.

Var. *coriifolia* (Fr.).

L. Miller's Dale, *Baker*, *J.B.* About Matlock, *B. & N.*, *J.B.* Burbage, *Wats. B.E.C. Rep.* Hill above Cressbrook Dale, *Rogers*, *B.L. Rec.*, 1884-6, 96. Pin Dale; Bradwell; Middleton Dale.

G1. Edale; by Chapel Reservoir.

G2. Great Longstone; near Hathersage; east of Bradwell; Shatton; near Great Hucklow.

T1. Lane by Bradley Wood; Ridge Lane, Atlow, *B.E.C. Rep.*, 1890, 298-9; near Stydd Hall, Yeaveley; Shirley, *B.E.C. Rep.*, 1888, 214; Dog Lanes, near Hognaston, *B.E.C. Rep.*, 1888, 216; a form with glandular sepals at the Knowl Wood, Bradley, *B.E.C. Rep.*, 1889, 261.

T2. Near the Trent, below Sawley.

Var. *Watsoni* Baker.

L. Tissington, *Baker*, *J.B.* Monsal Dale, *Rogers*, *B.L. Rec.*, 1884-6, 96. Cressbrook Dale, *C.D.*

T1. Between Bradley Smithy and Bradley Park.

R. arvensis *Huds.* *Field Rose.*

Native. E. Hedges, woods, bushy places. Common. S. June-July.

First record, *Pilkington*, 1789.

L. Taddington Wood; Wye Valley, below Chee Tor; and about Cressbrook, 200-250 yards, *Baker*, *J.B.* Dovedale, *B. & N.*, *J.B.* Monsal Dale; Castleton, *C.D.* Buxton, *Buxton Guide*. Hartle Dale, Bradwell.

G1. Bugsworth, *Rogers*. Mellor, *Painter*, *J.B.* Near the Snake Inn; Edale.

G2. Near Cromford Canal, *Rogers*. Shatton.

C. Chesterfield, *Waterfall*.

P. Bolsover.

T1. Common about Derby, *C.D.* Shirley; and near Shirley towards Hollington, var. *reptans* Crep., *B.E.C.*, *Rep.*, 1887, 181, & 1889, 261.

T2. Breadsall, *Whittaker*, *Phyt.*

T3. Hedges, Calke, *Purchas*, *J.B.* Repton, *Rept. F. & F.*

Var. *bibracteata* (Bast.).

G2. Holbrook, *Painter*, *J.B.* Froggatt?

Var. *gallicoides* (Déségl.).

T1. Stydd, near Yeaveley, *B.E.C. Rep.*, 1888, 217; 1889, 261; Brailsford; between Ednaston and Hollington; Cubley Common; Ladyhole, near Ashbourne.

PYRUS *L.*

P. torminalis *Ehrh.*

Scarcely native. E. *Glover*, 1829.

T3. Repton, *Hb. Mason!*

P. Aria *Ehrh.* *Whitebeam Tree.*

Native. EB. Limestone dales, elsewhere planted. Rather rare. T. May-June.

First record, *Withering*, 1787. *Cratægus Aria.*

L. Chee Dale; Blackwell Mill; Wormhill, *West*, *J.B.* Dovedale; between Ashbourne and Newhaven, a single tree, apparently planted, *Purchas.* Chelmorton, *C.D.* Buxton, *Buxton Guide.* King's Sterndale. Matlock, *Pilkington.*

G1. Near the Snake Inn, probably planted.

T1. Osmaston Park, near Ashbourne, planted.

Var. *rupicola* Syme. *Engl. Bot.*, *3rd Ed.*, 1864.

L. Chee Dale, Wormhill, 350-400 yards, *West*, *J.B.* Miller's Dale, *Painter*, *J.B.* Matlock Tor, *B. & N.*, *J.B.* Dovedale, *Ley and Purchas.* Litton Mill, *Hb. Mason!*

T3. Drakelow, *Hb. Mason!* Foremark, *Rept. F. & F.*

***P. domestica** *Ehrh.*

Alien. *Pilkington*, 1789. *True Service* or *Sorb Tree.*

G2. Crich Woods, *Pilkington.*

P. Aucuparia *Ehrh.* *Mountain Ash.*

Native. B. Hedges, woods. Frequent. T. May-June.

First record, *Pilkington*, 1789. *Sorbus Aucuparia.*

L. Up to 350 yards about Matlock, *B. & N.*, *J.B.* Miller's Dale, *Rogers.* Dovedale, *Bindley.* Ashford.

G1. Ascends to 500 yards, *Baker*, *J.B.* Chapel-en-le-Frith; between Bugsworth and New Mills, *Rogers.* Edale.

P. Markland Grips.

T1. Yeldersley, near Ashbourne; about Kedleston Park; Church Broughton

T3. Repton Rocks, *Wild Fl. Rept.* Burton, *Hb Mason.*

P. communis *L. Wild Pear.*

Denizen. E. Hedges. Very rare and local. T. April-May.

First record, *Pilkington*, 1789.

L. Matlock, *Crewe & Whittaker.*

C. Chesterfield. *Waterfall, C.D.* Morley Lime, between Morley and Stanley, *Pilkington.*

T3. Anchor Church, *Wild Fl. Rept.*

P. Malus *L. Crab Tree. Crab Apple.*

Native. E. Hedges, woods. Common. T. May.

First record, *Pilkington*, 1789. *Wilding.*

Var. *acerba* DC.

Common everywhere. Limestone dales, up to 300 yards, *Baker, J.B.* Wormhill, 400 yards, *West, J.B.*

Var. *mitis* Wallr.

C. Breadsall Moor, *Painter, Nat^t.* Nether Loads, Old Brampton.

T3. Repton, *Candler, C.D.*

CRATÆGUS *L.*

C. Oxyacantha *L. Hawthorn.*

Native. B. Hedges, thickets, woods. Common. T. May-June.

First record, *Pilkington*, 1789. *C. monogyna.*

Common up to 450 yards, *Baker, J.B.*

Var. *oxyacanthoides* (Thuill.).

L. Bury-me-Wick, Cressbrook Dale; eastern side of Wardlow Hay Cop, *Bailey, B.L. Rec.*, 1876, 179. Miller's Dale, *Rogers.*

G1. Chapel-en-le-Frith; Bugsworth, *Rogers.*

C. The Hague, Renishaw, *Waterfall!*

T1. Yeldersley Lane, and main road towards Derby; near Doveridge Woodhouse; near Blackwall.

T3. Burton-on-Trent, *Harris, C.D.*

Var. *laciniata* Wallr.

L. Matlock Tor, *B. & N., J.B.*

T1. Shirley, in hedges; Mercaston, *B.E.C. Rep. for* 1899, 1900.

Var. *monogyna* (Jacq.).

The common form. "Up to 300 yards about Matlock," *B. & N., J.B.* This variety often flowers two to three weeks earlier than *oxyacanthoides.* Cross forms occur between the above varieties, here and there. Above Miller's Dale towards Wormhill a plant was noticed having glabrous pedicels and flowers varying from monogynous to digynous, and later flowering, as *oxyacanthoides.* See note, *B.E.C. Rep.*, 1876, 17.

SAXIFRAGEÆ.

SAXIFRAGA *L.*

[*S. Geum *L.* *London Pride.*

Alien. Reported from Lovers' Leap, Buxton, *C.D.*]

S. umbrosa *L.*

Alien. Rare. Limestone rocks. P. June-July.

First record, *Garner*, 1844.

L. Ashwood Dale, at least a quarter of a mile from any house, *Ley*, *B.E.C. Rep.*, 1870. Poole's Hole, *Garner*. Lathkil Dale, *Crewe & Whittaker*.

[**S. aizoides** *L.*

Native, but probably extinct, the sole notice of its occurrence being the subjoined:—"I received a specimen of this from Derbyshire," *Howard in Bot. Guide.*]

S. tridactylites *L.* *Rue-leaved Saxifrage.*

Native. BE. Walls, rocks, roofs, dry places. Frequent. A. April-June.

First record, *Pilkington*, 1789.

L. Walls up to 300 yards [Wye Valley], *Baker*, *J.B.* Wormhill, 400 yards, *West*, *J.B.* Miller's Dale; Monsal Dale; Matlock Bath, *Rogers*. Lathkil Dale, *The Naturalist*. "On the Winnats near Castleton," *Withering*, 1801. Buxton, *Barrow*. Dovedale, *Nowers*. Cromford; Haddon; Hopton, *Bindley*. Conies Dale, Peak Forest; near Monyash; Hartle Dale, Bradwell; Rowland; Brook Bottom, Tideswell.

G1. Cockyard, Chapel-en-le-Frith.

G2. Near the Cromford Canal, *Rogers*. Wirksworth, *Gibbs*. Ashover, *Drabble*. Bubnell, near Baslow; Calver.

C. Wall at Norton, *Hb. Salt.*

P. Pleasley; Shirebrook; Cresswell, *Friend*. Upper Langwith on walls.

T1. Walls, Bradley Churchyard.

T2. Roofs and old walls, Breadsall, *Whittaker*, *Phyt.* Common on walls, Boulton, &c., *C.D.*

T3. Walls at Ticknall, *Purchas*, *J.B.* Ingleby, *Gibbs*. Cricket-field wall, Repton, *Wild Fl. Rept.* Winshill, *Hb. Mason!*

S. granulata *L.* *Meadow Saxifrage.*

Native. BI. Damp meadows and banks, brooksides. Locally abundant. P. May-June.

First record, *Pilkington*, 1789.

L. Wormhill, 400 yards, *West*, *J.B.* Via Gellia, *Waterfall*, *C.D.* Lathkil Dale, *The Naturalist*. Middleton Dale; Brassington, *Gibbs*. Dovedale, *Purchas*, *J.B.* Between Bakewell and Calver, *Hb. Salt.* Bradbourn, *Gisborne*. Bradwell, *Painter*, *Natt.* Dovedale; Hopton, *Bindley*.

G1. S.W. of Buxton, 400 yards, *West*, *J.B.* Abundant in a field west side of Buxton Old Road (Elnor Lane), field near Botany Bleach Works, and

in a field on Overlea Farm, all in Fernilee; near Hayfield, *Barker*. Mellor; Stirrup Wood, *Fl. Ashton*. Charlesworth; near Strines; Corbar Wood, *Painter, Natt.*

G2. Ashover, *Bailey, C.D.* Near Baslow, *Miss Armitage*. By Ecclesbourne Brook, above Shottle. Duffield, *Glover*. Edensor, *Pilkington*.

T1. Clifton, near Ashbourne, *Smith MSS.* Normanton, *C.D.* Mickleover, *Bindley*. Barton Fields, near the brook; Peathays and near Shirley Wood, Shirley; Doveridge; a field full of it near Egginton Station.

T2. Near Long Eaton, *Atkinson, C.D.* Near Borrowash, *Smith MSS.* Morley; meadows, Breadsall, *Crewe & Whittaker, & C.D.* Spondon, *Gisborne*.

T3. Near the Furnace Farm and the Wood Houses, Melbourne, *Purchas, J.B.* Bretby, *Gibbs*. Repton, *Wild Fl. Rept.* Near Swarkeston Bridge, *Pilkington*.

S. hirta *Haw.* *S. sponhemica* Gmel.

Native. SH. Limestone dales. Rare. P. June-July.

First record, *Rogers, J.B.*, 1885, 78.

L. Near Lovers' Leap, Buxton, and on hill above Miller's Dale, abundant, *Rogers*. Dovedale, *Purchas*. Probably the *S. cæspitosa* L. of Bot. Guide (1805), as also of Pilkington from Castleton Hill (1789), is this plant.

S. hypnoides *L.* *Mossy Saxifrage.*

Native. SH. Limestone dales. Abundant locally. P. May-July.

First records, *Jenkinson*, 1775; *Withering*, 1776.

L. Ashwood Dale; Miller's Dale; Winnatts at Castleton, 250-350 yards, *Baker, J.B.* Cave Dale, 400 yards, *West, J.B.* Dovedale, *Smith MSS.* Thorpe Cloud; Matlock, *Rowland, C.D.* Topley Pike; Cressbrook Dale, *C.D.* Lathkil Dale, *Gibbs*. Near Bakewell, *Painter, Nat^t.* Middleton Dale, *Withering*. Bradwell; Brook Bottom, Tideswell; Conies Dale, Peak Forest.

CHRYSOSPLENIUM *L.*

C. oppositifolium *L.* *Golden Saxifrage.*

Native. BH. Damp banks, ditch-sides, wet places. Frequent. P. April-May.

First record, *Pilkington*, 1789.

L. Via Gellia, *B. & N., J.B.* Miller's Dale; Dovedale; Bradwell, *Painter, J.B. & Nat^t.* Castleton, *Phyt. N.S.* ii., 482. Lathkil and Bradford Valleys; the Delf, Eyam, *Carr*.

G1. Swamps up to 450 yards in Goyt's Clough, *Baker, J.B.* Mellor, *Painter, J.B.* Etherow district; Edale; near the Snake Inn; R. Sett, south of Hayfield; Stanage Edge; Bamford.

G2. Lee Hill, Cromford, *Painter, Nat^t.* Chatsworth Park, *Carr*. Abney Clough; Burbage Brook; Heathy Lea, Baslow; Beeley, Kelstedge; by brook between Nether Biggin and Kirk Ireton.

C. About Chesterfield, *Waterfall, C.D.* Pinxton, *Carr*. East of Totley; Limb Brook near Dore Station; Walton Wood; wood below Hallcliff Farm, Nether Loads.

T1. Ashbourne; Kirk Langley, *Painter*, *Nat*$_t$. Bradley Brook; Shirley; Dobbin Horse Lane, Clifton; Cubley; Quarndon Common. Mackworth, *Pilkington*.

T2. Breadsall, *Whittaker*, *Phyt*. Dale Abbey woods; Morley, *C.D.* Near Ockbrook, *Smith MSS*.

T3. About Calke, *Purchas*, *J.B.* Repton Shrubs, *Gibbs*. Burton-on-Trent, *Harris*, *C.D.* Repton, *Wild Fl. Rept.*

C. alternifolium *L.*

Native. BS. Ditch-sides, moist places. Not uncommon. P. April-May.

First record, *Pilkington*, 1789.

L. Dovedale, and near Ashbourne, *Purchas*. Ashwood Dale; Miller's Dale, *Painter*, *J.B.* Via Gellia, *Waterfall*, *C.D.*

G1. Stirrup, *Fl. Ashton*. Mam Tor, *Phyt. N.S.*, ii., 482.

G2. Rowsley, *Hagger*, *C.D.* Dethick, *Pilkington*. In wood, Baslow; Darley, *Gem of the Peak*.

C. Coxbench Wood, *Watson's N.B.G.*

T1. Wyaston Brook, *Smith MSS*. Shirley; Longford; Dobbin Horse Lane, and near R. Dove, Clifton. The Nutwood, Darley, Derby, *Pilkington*.

T3. Milton, *Purchas*, *J.B.* Knowl Hills, *Hagger*, *C.D.* Repton, *Wild Fl. Rept.*

PARNASSIA *L.*

P. palustris *L.* *Grass of Parnassus.*

Native. SB. Wet banks, marshy ground, bogs. Local. P. July-Sept.

First record, *Pilkington*, 1789.

L. Limestone banks up to 400 yards, *Baker*, *J.B.* Near Taddington, *Miss Armitage*. Miller's Dale, *Rogers*. Brassington Rocks, *Gibbs*. Middleton Dale, *Drabble*. Less common in Dovedale, *Purchas*, *J.B.* Matlock Bath, *Smith MSS*. Conies Dale, Peak Forest; Monk's Dale; Hartle Dale, Bradwell; Tideswell; Wheston.

G1. Hayfield, *Hannan*, *C.D.*

C. Pinxton, *Pilkington*.

P. Cresswell Crags, *Friend*. Scarcliffe Park Wood.

T1. Copse Hill, Osmaston-by-Ashbourne, *Smith MSS*. Below the Old Cover, Mugginton; marshy ground between Hollies Farm and Bradley. On boggy ground near Mr. Eames', Mackworth, *Pilkington*.

T3. Milton, *Rept. F. & F.* Now extinct, *Hagger*, *C.D.*

RIBES *L.*

***R. Grossularia** *L.* *Gooseberry.*

Denizen, escape or bird-sown. I. Hedges. Frequent. S. April-May.

First record, *Pilkington*, 1789.

L. Not truly wild [Buxton neighbourhood], *Baker*, *J.B.* Roadside in the Via Gellia, etc., scattered bushes only, *B. & N.*, *J.B.* Miller's Dale; occurs in isolated bushes on limestone in many places up to 400 yards, and far away from

lanes and houses, *West*, *J.B.* Brassington, *Gibbs*. Bradford Valley and Youlgreave, *Carr*. Stony Middleton, *Painter*, *Nat*^{t}.

G2. Ashover, *Gibbs*. Whatstandwell, *Painter*, *J.B.* Near Fox House Inn; Froggatt. Between Duffield and Makeney, *Pilkington*.

C. Horsley Castle, *Painter*, *J.B.* About Renishaw, *Waterfall*. On the hill where Codnor Castle formerly stood, *Pilkington*.

P. Cresswell Crags, *Gibbs*. Bolsover. Pleasley Park, *Pilkington*.

T1. Radbourn, *Painter*, *Nat*^{t}. Shirley; Ridge Lane, Atlow (*R. Uva-Crispa ?*), *B.E.C. Rep.* 1888, 218; Allestree Park; Barton Fields.

T3. Apparently an escape about Calke, *Purchas*, *J.B.* Burton-on-Trent, *Painter*, *J.B.* Heath Wood, Foremark, *Hagger*, *C.D.* Repton, *Wild Fl. Rept.*

R. alpinum *L.*

Native. I. Limestone ravines and dales. Rare. S. April-May.

First record, *Glover*, 1829.

L. Wormhill, 400 yards, *West*, *J.B.* Miller's Dale, *Whitelegg*, *C.D.* Monk's Dale, *Hb. Mason!* Ashwood Dale, *Ley*, *B.L. Rec.*, 1873, 11. Dovedale; strictly diœcious; undoubtedly wild, *Purchas*, *J.B.*

G1. Derwent Chapel, *Ley*, *B.L. Rec.*, 1873.

P. Cresswell Crags.

T1. Old Hill, Ashbourne, *Miss Sandford*.

R. rubrum *L.* *Red Currant.*

Denizen. I ? Woods, river banks. Not infrequent. S. May.

First record, *Pilkington*, 1789.

L. Chee Tor to Wormhill, 350 yards. *West*, *J.B.* Buxton, *Buxton Guide*.

G1. Mellor, *Fl. Ashton*.

G2. Duffield, *Glover*. By R. Derwent below Hathersage, and above Allestree; Froggatt; between Baslow and Hassop; white fruited in Lindup Wood, Chatsworth.

C. Pinxton, *Pilkington*.

T1. Mickleover; Radbourn, *Painter*, *Nat*^{t}. By the side of a brook between Mackworth and Markeaton, *Pilkington*.

T2. Banks of the Derwent, Breadsall, *Whittaker*, *Phyt.*

T3. Foremark Bottoms, *Hagger*, *C.D.* Repton, *Wild Fl. Rept.*

R. nigrum *L.* *Black Currant.*

Denizen. I. Damp woods, copses, river banks. Not uncommon. S. May.

First record, *Buxton Guide*, 1854.

L. Chee Tor, *Hannan*, *C.D.* Wormhill; Blackwell Dale, *Painter*, *J.B.* & *C.D.* Buxton, *Buxton Guide*. Ashford.

G1. Stirrup Wood, *Fl. Ashton*. Hood Brook, Hathersage.

G2. Whatstandwell, *Painter*, *J.B.* Baslow.

T1. Edlaston Coppy; near R. Dove, Clifton.

T2. Banks of R. Derwent, Breadsall, *Crewe* & *Whittaker*.

T3. Repton, *Wild Fl. Rept.* Probably a garden escape, *Hagger*, *C.D.*

CRASSULACEÆ.

COTYLEDON *L.*

C. Umbilicus *L.* *Navel-wort.*

Native. AE. Cliffs, ruins, old walls. Rare. P. June-Aug.

First record, *Glover*, 1829.

L. Dovedale, *H.N. Tutb.* "Now apparently extinct," *Purchas*, *J.B.* Bradwell, *Drabble.*

G2. Chatsworth, *Hb. Mason!*

C. Barlow, *Hb. Salt.*

T3. Anchor Church, near Repton, *Watson's N.B.G.*

SEDUM *L.*

S. Telephium *L.* *Orpine. Livelong.*

Native. EB. Woodland, especially on limestone. Local and rather rare. P. July-Aug.

First record, *Withering*, 1787.

L. Monk's Dale, 350 yards; Cromford, *West*, *J.B.* Taddington Wood; Chee Tor, *Baker*, *J.B.* Miller's Dale, *Hb. Mason!* Lathkil Dale, *Green*, *C.D.* Buxton, *Gisborne.* Brassington Rocks; Via Gellia, *Gibbs.* Dovedale, *Smith MSS.* Chrome Hill, *Painter*, *J.B.* Rocks near Monyash (*purpurascens* Koch.), *Bailey*, *B.L. Rec.*, 1884-6, 127. Chapel-en-le-Frith, *Barrow.* Great Rocks Dale; Bradwell, in Hartle Dale; Dowel Dale, Hindlow; Cales Dale.

G2. Dethick, *Pilkington.*

Var. *Fabaria* Koch.

L. Dovedale, sparingly, *B. & N.*, *J.B.*

***S. album** *L.* *White Stone-crop.*

Alien. Established on old walls, rocks, roofs, quarries. Not common. P. July-Aug.

First record, *Glover*, 1829.

L. Walls in Matlock Dale, doubtless a garden escape, *B. & N.*, *J.B.* Ashford; Matlock Bath, *Painter*, *J.B.!* The Ashford plant is, I think, *S. micranthum* Bast.

G1. Grindsbrook, Edale, an escape.

G2. Roadside above Darley Dale, towards Flash; Beeley Hilltop; Kelstedge.

T1. On roofs, Kirk Langley.

T3. Milton, *Rept. F. & F.*

***S. dasyphyllum** *L.*

Alien. *Pilkington*, 1789.

G2. Dethick, *Watson's N.B.G.*

C. Pinxton, *Pilkington.*

S. anglicum *Huds.*

Native. AB. Rocks, banks. Rare. P. June-Aug.

First found, *Salt*, 1800. *Hb. Salt.* First record, *C.D.*, 1889.

L. Via Gellia, *Waterfall, C.D.*

G2. Near Chatsworth, plentiful on the rocks, *Harris, C.D.* Rocks near Cover (Calver), *Hb. Salt.*

S. acre *L. Wall Pepper. Biting Stone-crop.*

Native. B. Walls, rocks, roofs, dry places. Frequent. P. June-July.

First record, *Pilkington*, 1789.

L. Limestone cliffs, common up to 400 yards, *Baker, J.B.* So abounding on some of the stony hillsides of Dovedale, that in early summer they are perfectly yellow with it, *Purchas, J.B.* Lovers' Leap, Buxton; Miller's Dale; Matlock Bath, *Rogers.* Brassington Rocks; Middleton Dale, *Gibbs.* Haddon, *Bindley.* Wheston; Rowland; Bradwell; near Tideswell.

G1. Edale; Hope.

G2. Near Great Hucklow; Baslow; Fallgate, Ashover. Roofs of houses at Makenay, *Pilkington.*

C. Roofs of houses at S. Normanton, *Pilkington.*

P. Cresswell Crags.

T1. Roof of cottage, between Clifton and Ashbourne, *Miss Sandford.*

T2. Breadsall, *Crewe & Whittaker.* On walls at Sandiacre.

T3. Bretby, *Gibbs.* Repton, *Rept. F. & F.* Twyford, *Bindley.*

***S. reflexum** *L. Yellow Stone-crop.*

Alien. Walls, roofs. Not common. P. June-Aug.

First record, *Pilkington*, 1789.

L. Matlock, *Stevens.*

G1. Wall, west of Buxton towards Errwood Hall, *Green, C.D.*

G2. Froggatt.

C. Dale Abbey, *Gisborne.* Alfreton; Horsley Castle, *Pilkington.*

T1. Roof at Edlaston Coppice Farm, *Miss Sandford.* Derby, *Pilkington.*

T3. Repton, cricket field wall (*S. rupestre*), *Rept. F. & F.*

***S. rupestre** *L.*

Alien.

L. Rocks near Castleton, *Bot. Guide*, 1805.

T1. Bradley Wood, *Smith MSS.*

T3. Linton, *Coleman* (1860) *in Hb. Mason!*

***Sempervivum tectorum** *L. House Leek.*

Alien. Walls and cottage roofs.

First record, *Pilkington*, 1789. *Cyphel.*

T1. Mickleover, *Bindley.* Rodsley, near Longford, on roofs.

T2. Breadsall, *Crewe & Whittaker.*

T3. Bretby, *Gibbs.* Stapenhill, *Hb. Mason!* Cricket-field wall, Repton, *Wild Fl. Rept.*

DROSERACEÆ.

DROSERA *L.*

D. rotundifolia *L.* *Sun-dew.*

Native. B. Bogs, wet moorland. Rare. P. July-Aug.

First records, *Withering*, 1787; *Pilkington*, 1789.

G1. Axe Edge, *Garner.* Kinderscout; Charlesworth Coombs, *Fl. Ashton.* Stanage Edge, 430 yards; Bamford Moor; Grinds Brook, Edale; Nether Moor, near Jagger's Clough; swampy ground in Rising Clough, near Raddleput Rushes.

G2. Abney Moor, *Gem of the Peak.* Moors near Dore, *The Naturalist.* Tansley Common, *Crewe & Whittaker!* East Moor, *Scrimshaw, C.D.* Umberley Brook, and Hipper Sich, Chatsworth; Burbage Brook, above the woodland.

T1. Hulland Moss, doubtless the same locality as is given by J. Fitzherbert in *Smith MSS.* Quarndon Common, *Pilkington*, now extinct.

T3. Bog at Foremark Park; not seen there of late years, *Purchas, J.B.* Repton Rocks, *Rept. F. & F.*

D. longifolia *L.* *D. anglica* Huds.

Native, possibly extinct. S. Moorland. Very rare. P. July-Aug.

First record, *Gem of the Peak*, 1851.

G1. Moors near Buxton, *Adams, G.P.*, 1851.

G2. Matlock, *Stevens.* Abney Moor; East Moor, *Adams, G.P.*

HALORAGEÆ.

HIPPURIS *L.*

H. vulgaris *L.* *Mare's Tail.*

Native. G. Pools, slow streams. Local and rather rare. P. June-July.

First record, *Glover*, 1829.

L. Via Gellia, *Milnes, C.D.*

G2. About Chatsworth, *Gem of the Peak.*

C. Canal near Killamarsh; Hardwick.

P. Pond at Cresswell Crags, *Waterfall, C.D.* Belph Moor; Langwith Wood; Harlesthorpe, near Clowne; by Nether Langwith; Whaley Mill.

T3. In small quantity in a pool near White Hollows, Ticknall, *Purchas, J.B.* Bretby Park, *Painter, J.B.* Melbourne Pool, *Crewe & Whittaker.* Swarkeston Bridge, *Wild Fl. Rept.*

MYRIOPHYLLUM *L.*

M. verticillatum *L.* *Water Milfoil.*

Native. E. Canals, ponds, slow streams. Local and rare. P. July-Aug.

First record, *Glover*, 1829.

C. Canal near Killamarsh.

T2. Backwater about one mile west of Sawley.

T3. Pond by Swarkeston Bridge, *Purchas*, *J.B.* Repton, *Wild Fl. Rept.* Burton, *Hb. Mason*, both the type and var. *pectinatum* (D.C.)!

M. spicatum *L.*

Native. B. Ponds, canals, streams, ditches. Frequent. P. June-Aug.

First record, *Glover*, 1829.

L. Reservoirs at Cromford, *Purchas*, *J.B.* R. Dove, *Garner*. In the Lathkil, east of Alport.

G1. Chapel Reservoir.

C. Large pond, Hardwick; pond between Codnor Castle and Station; Loscoe; pool below Mapperley.

P. Harlesthorpe, near Clowne; Scarcliffe Park Wood; ponds, Nether Langwith; Pebley Pond.

T1. Shirley Brook; canals below Derby; brook near Barton Blount; R. Dove, near Sudbury.

T2. R. Derwent, Borrowash, *Hassé C.D.* Locko Park, *Painter*, *J.B.* Railway pits, Breadsall, *Crewe & Whittaker*. Canal by Chaddesden, Spondon, &c.

T3. Pond in Calke Park, *Purchas*, *J.B.* Bretby Ponds, *Gibbs*. About Burton-on-Trent, *Painter*, *J.B.* Old Trent, Repton, *Hagger*, *C.D.* Brook above Egginton.

M. alterniflorum *DC.*

Native. B. Pools, canals. Rare. P. July-Aug.

First record, *The Flora*.

G2. Pool at Kelstedge.

C. Canal between Renishaw and Staveley, *Waterfall*. Great Pond, Wingerworth, in the upper part of the pond; ponds, Sutton Scarsdale. The Cresswell Crags station in *C.D.* is, Mr. Waterfall informs me, an error.

CALLITRICHE *L.*

C. verna *L.* *Water Starwort.* *C. vernalis* Kuetz.

Native. B. Ponds, streams, ditches. Frequent. P. May-July.

First record, for the aggregate, *Pilkington*, 1789; for the segregate, *B.E.C. Rep.*, 1876.

L. R. Bradford at Youlgreave, *Purchas in B.E.C. Rept.*, 1876, 18.

G1. Small deep artificial pond, Chapel-en-le-Frith, *Rogers*, *B.L. Rec.*, 1884-6, 97.

T3. Burton, *Hb. Mason*.

C. stagnalis *Scop.* *C. platycarpa* Kuetz.

Native. B. Ponds, ditches, damp places in woods. Common. P. May-Aug.

First record, *N.H. Tutb.*, 1863.

L. Via Gellia, *Bailey*, *C.D.* Ponds and slow streams [Matlock], *B. & N.*, *J.B.* R. Wye, Miller's Dale, *B.E.C. Rep.*, 1882, 72. Dovedale, *Purchas*.

G1. Swamps up to 500 yards on the slopes of Axe Edge, *Baker, J.B.* Near the Snake Inn; Bamford; Edale; Chinley; Etherow district.

G2. Grindleford Bridge; pool at Kelstedge.

C. Barlow Brook in Cobnar Wood; Renishaw; Hardwick; Newton Wood.

P. Near Nether Langwith.

T1. Mickleover, *Bindley.* Allestree; Shirley; Etwall; Marston Montgomery; canal near Osmaston, Derby.

T2. Breadsall, *Painter, Nat^l.* Sawley; Long Eaton.

T3. Calke, *Purchas, J.B.* Burton, *Hb. Mason!* Repton Shrubs, *N.H. Tutb.*

C. hamulata *Kuetz.*

Native. B. Streams, pools. Frequent. P. May-Aug.

First record, *B.L. Rec.*, 1881.

L. Middleton Dale (*C. pedunculata* D.C.), *Carr, B.L. Rec.*, 1881, 190. Bradwell Old Moor.

G1. Rushup Edge; Chapel Reservoir; Wild Moor, R. Goyt; Hood Brook, Hathersage.

G2. Chatsworth Park.

C. Canal near Chesterfield; pool one mile east of Killamarsh; Birleyhay; woods south-east of Westthorpe; Beighton; by Beauchief Abbey.

T1. By Burton Slut, north of Brailsford; Allestree; Cross o' th' Hands, near Mugginton; Marston-on-Dove; Bradley (*C. pedunculata D.C.*).

C. obtusangula *Le Gall.*

Native. E. Streams, ditches. Rare. P. May-July.

First record, *Purchas, J.B.*, 1887.

G2. Ditch near the Derwent, above Allestree.

T2. In a ditch close to the canal, at Sandiacre.

T3. "The specimen in Mr. Bloxam's hb. as *C. verna* is, I think, undoubtedly this species. I have compared it with Messrs. Grove's (Hants.) plants and do not doubt their identity."—*Purchas, J.B.*

LYTHRARIEÆ.

PEPLIS *L.*

P. Portula *L. Water Purslane.*

Native. B. Wet places, margins of pools. Local. P. July-Sept.

First record, *Glover*, 1829.

G1. South side of the Reservoir, Chapel-en-le-Frith, *Barker.*

C. Morley Common, *Crewe & Whittaker.* Pool, one mile east of Killamarsh; Great Pond, Wingerworth; ponds, Sutton Scarsdale.

T1. Brook near Osmaston Church, Ashbourne; between Rodsley and Yeaveley, *Smith MSS.* Pond at Tinkers' Inn, near Edlaston; above Eaton Woods; Hulland Moss; Cross o' th' Hands, near Mugginton.

T3. Repton, *Wild Fl. Rept.*

LYTHRUM *L.*

L. Salicaria *L.* *Purple Loosestrife.*

Native. EB. Sides of rivers and streams. Frequent. P. July-Sept.

First record, *Pilkington*, 1789.

L. Bakewell Meadow, *Pilkington.*

G2. Little Eaton, *Painter*, *J.B.*

C. Kirk Hallam, *Hassé*, *C.D.* Shipley Hall; canal near Killamarsh; New Stanton. Coxbench, *Pilkington.*

T1. Osmaston-by-Ashbourne. Sinfin Moor, *Pilkington.*

T2. Breadsall, *Whittaker*, *C.D.* Sandiacre, *Hassé*, *C.D.* Thrumpton Ferry; by the Erewash, near Long Eaton; Sawley, by R. Trent.

T3. Pond at Calke Mill, *Purchas*, *J.B.* Burton-on-Trent, *Painter*, *J.B.* Osier-beds, Repton, *Wild Fl. Rept.* Drakelow; by the canal, Egginton.

*L. hyssopifolia *L.*

Alien. E? Very rare. *Watson's N.B.G. Suppt.*, 1837.

T1. Casual in the grounds of Yeldersley Hall, near Ashbourne, 1898.

T3. In the pond below the Mill, Calke, only one plant discovered, *Bloxam.* The locality was "on the side of a pond long since let dry and was two fields below the mill," *Purchas*, *J.B.*

ONAGRARIEÆ.

EPILOBIUM *L.*

E. angustifolium *L.* *Rose Bay. French Willow.*

Native. BS. Hedges, cars, woods. Locally abundant. P. July-Sept.

First record, *Pilkington*, 1789.

L. Ashwood Dale, *Purchas.* Via Gellia, perhaps introduced, *B. & N.*, *J.B.* Blackwell Dale, *Green C.D.* Cromford, *Painter*, *J.B.* Monsal Dale, *C.D.* Near Youlgreave, *Gibbs.* Kirkdale, Ashford; Stony Middleton.

G1. Kinder Vale, Hayfield, *Hannan*, *C.D.* On high rocks by Sparry Pit, near Chapel-en-le-Frith, *Bot. Guide.* On Back Tor, circa 450 yards, and other spots in Edale; Hathersage.

G2. Little Eaton, *Carr*, *C.D.* Darley Moor, *Carr.* Pincham's Hill, Belper; near Hillcliff Lane, Idridgehay; near Fox House Inn; Grindleford Bridge.

C. Blacka Plantation, Dore, *The Naturalist.* Dale, *Hassé*, *C.D.* Eckington Wood, *Waterfall.* Mapperley; Dronfield; quarry near Mosbrough; Codnor Park; Newton Wood.

P. Cresswell; Langwith Wood.

T1 Mickleover; Radbourn, *Painter*, *Natt.* Between Brailsford and Kedleston; Drabble Car, Bradley Brook; Cubley Brook; close to Egginton Station; var. *brachycarpum* (Leight.), in Edlaston Coppy.

T2. Near Breadsall, *Whittaker, C.D.* Spondon, *Hassé, C.D.* Risley Park.

T3. Bretby, the var. *brachycarpum, Hagger, C.D.* Between Repton and Egginton, *Rept. F. & F.*

E. hirsutum *L.* *Codlins and Cream.*

Native. EB. Streamsides, ditches, wet places. Common. P. July-Sept.

First record, *Pilkington*, 1789. *E. ramosum.*

Generally distributed. "Common up to 400 yards," *Baker, J.B.* With small pale flowers, between Bradbourne Gate and Parwich, *Smith MSS.* A white-flowered form occurs in several places on the Coal-measures (C), as at Beighton, Killamarsh, Birleyhay near Ford, Sheepbridge.

E. hirsutum × montanum.

L. Chee Dale, *Waterfall.* Near the Via Gellia Colour Works, *B. & N., J.B.*

G2. Right bank of R. Derwent, a little below Mytham Bridge.

E. parviflorum *Schreb.* *Willow-herb.*

Native. BE. Streamsides, ditches, wet places. Common. P. July-Sept.

First record, *Pilkington*, 1789. *E. hirsutum.*

L. Wye Valley up to 250 yards, *Baker, J.B.* Bradwell; Hassop, *Painter, Nat^t. & J. B.* Frequent about Matlock, *B. & N., J.B.* Dovedale, *Purchas.*

G1. Chapel-en-le-Frith, *Rogers.* Ascends to 400 yards above Buxton, *C.D.* Stirrup, *Fl. Ashton.* Mellor; Bugsworth; Edale.

G2. By the canal between Whatstandwell and Ambergate, *Bailey, C.D.* Near Owler Tor; Shatton; Ecclesbourn Brook, near Duffield.

C. Between Brampton and Holymoorside, *Drabble.* Sutton; Barlborough Low Common; by West Hallam Station; canal side near Kirk Hallam; Totley Moss.

P. Bolsover; Houghton; Cresswell Crags.

T1. Canal banks, Derby; Mickleover, *Painter, J.B. & Nat^t.* Ridge Lane, near Atlow; Quarndon; Marston-on-Dove; Barton Blount; Sudbury; Radbourn.

T2. Breadsall, &c., common, *Crewe & Whittaker.* Sandiacre.

T3. About Calke, *Purchas, J.B.* Gresley Common, *Hb. Mason!* Willington, *Nowers.* Burton-on-Trent, *Painter, J.B.* By Old Trent, Repton, *Wild Fl. Rept.*

E. parviflorum × roseum. *Haussknecht*, 1884, *E. persicinum* Reichb.; *J.B.*, 1889, 147; and 1890, 9.

T1. Shirley, a sp. in *Hb. Hooker* at Kew.

E. montanum *L.*

Native. B. Woods, hedge banks, cultivated land. Common. P. June-Sept.

First record, *Pilkington*, 1789.

"Common up to 350 yards," *Baker, J.B.* The form with stem leaves arranged in whorls of three was noticed in the Matlock neighbourhood by Messrs. Baker & Newbould, *J.B.* It also occurred at Shottle, and Cubley. A white-flowered form occurred near Hognaston.

E. montanum × obscurum.

G2. Ditchside near Hassop Station.

T1. Brailsford, *B.E.C. Rep.*, 1888, 219. Boggy place below Bradley Wood; Edlaston Coppy, *B.E.C. Rep.*, 1887, 183.

E. montanum × parviflorum.

L. Chee Dale, *Waterfall.*

G2. Ditchside near Hassop Station, *Linton.*

T1. Shirley, *B.E.C. Rep.*, 1887, 182.

E. roseum *Schreb.*

Native. E. Damp roadsides, ditches. Not uncommon. P. July-Sept.

First record, *Glover*, 1829.

L. Matlock Bridge, *B. & N.*, *J.B.* Fenny Bentley, *Purchas.* Thorpe, *Smith MSS.* Oaker Hill, near Wensley.

G2. Hillcliff Lane, near Ireton; by the Derwent, near Little Eaton; Froggatt; near Stony Middleton; near Hassop Station; Kelstedge.

C. Heanor, *Watson's N.B.G.* Near Holymoorside, *Drabble.* Renishaw Canal; Barlow Brook, in Cobnar Wood; Nether Loads, Old Brampton.

T1. Cubley; Wyaston; Osmaston-by-Ashbourne, *Smith C.D. & MSS.* Markeaton; Shirley; Barton Blount; The Dove, near Sudbury; Somersal Herbert.

T2. Borrowash, *Smith MSS.* Breadsall. *Hassé C.D.*

T3. Calke, *Purchas*, *J.B.* Winshill, *Hb. Mason!* Repton, *Wild Fl. Rept.* By the brook, Egginton.

E. adnatum *Grisebach. E. tetragonum* L.

Native. B. Ditchsides, wet places. Very rare. P. July-Aug.

First records (*Pilkington*, 1789, in all probability *obscurum*); *Whittaker, Phyt.*, 1847; *Crewe & Whittaker*, 1864.

G1. Mellor, *Fl. Ashton.*

C. Marsh at Holymoorside, *Drabble.*

T2. Breadsall, *Crewe & Whittaker.*

T3. [Repton Rocks, *Nowers*]; a specimen sent by Mr. N. was *E. obscurum* only.

E. obscurum *Schreb.*

Native. B. Ditches, streamsides, marshes. Common. P. June-Aug.

First record, *Pilkington*, 1789. *E. tetragonum.*

L. Matlock, *B. & N.*, *J.B.* Near Buxton, *Painter*, *J.B.* Fenny Bentley, *Purchas*, *J.B.* Miller's Dale, *Rogers*, *J.B.*

G1. Swamps up to 500 yards on Axe Edge, *Baker*, *J.B.* Chapel-en-le-Frith; between Bugsworth and New Mills, *Rogers.* Derwent Moor; near the Snake Inn; Bamford; Torside Clough, near Crowden.

G2. Lumsdale Reservoir, *B. & N.*, *J.B.* Cromford, *Bailey.* Baslow, *Painter*, *J.B.* Shatton; Ecclesbourn Brook, near Duffield.

C. By Beauchief Abbey; Brierley Wood, Unstone; Mosbrough; West Hallam; Ault Hucknall; Dale.

T1. Mugginton, *Painter*, *Nat*[t]. Quarndon; Shirley; Barton Blount; Church Broughton.

T2. Breadsall, *Crewe & Whittaker*.

T3. Newton Solney, *Painter*, *J.B.* About Calke, *Purchas*, *J.B.* Burton, *Hb. Mason!* Repton (*E. tetragonum*), *Wild Fl. Rept.*

E. obscurum × palustre.

G1. At Malcoff, near Chapel-en-le-Frith.

T1. Marshy ground, east side of Shirley Wood.

E. obscurum × parviflorum.

G1. Pool by the Mill, Edale.

G2. Shatton.

T1. Brailsford Brook, abundant; Bradley, *B.E.C. Rep.*, 1889, 262; Peat Hays, Shirley, *B.E.C. Rep.*, 1887, 182; Burnaston.

E. palustre *L.*

Native. B. Wet places, marshes, bogs. Frequent. P. July-Sept.

First record, *Pilkington*, 1789.

L. Buxton, *Rogers*. Brook Bottom, near Tideswell; between Ashford and Taddington; north west side of Wensley.

G1. Swamps up to 450 yards in Goyt's Clough, *Baker*, *J.B.* Chapel-en-le-Frith, *Rogers*, *J.B.* Charlesworth; Birch Vale, *Fl. Ashton*. Derwent Moor; near the Snake Inn; Bamford; Chinley; Hood Brook, Hathersage.

G2. The Moor over Tansley, *B. & N.*, *J.B.* Abney Clough; near Hathersage; near Owler Tor; Froggatt; roadside below Stanton Park.

C. Marsh, Holymoorside, *Drabble*. Sides of ditches about Chesterfield, *Hb. Salt.* Totley Moss; marshy ground near the canal, New Stanton.

T1. Bradley; Ridge Lane, Atlow; Shirley; marshes south of Findern.

T2. Breadsall, *Crewe & Whittaker*.

T3. Upper pond in Calke Park; bog at Repton Rocks, *Purchas*, *J.B.* Bretby Park, *Gibbs*. Gresley Common, *Harris*, *C.D.* Between Repton and Willington, *Wild Fl. Rept.*

E. palustre × parviflorum.

G2. Roadside on the Chesterfield Road, near Robin Hood's Inn.

T1. In marshy ground near Bradley Brook.

***Oenothera biennis** *L.* *Evening Primrose.*

Alien.

C. Breadsall Moor, *Crewe & Whittaker*.

T2. Banks of the Derwent, *Crewe & Whittaker*.

CIRCÆA *L.*

C. lutetiana *L.* *Enchanter's Nightshade.*

Native. BE. Shady banks, woods, and lanes. Frequent. P. July-Aug.

First record, *Pilkington*, 1789.

L. North of Hassop, 250-300 yards, *West, J.B.* Wye Valley up to Chee Tor, 250 yards, *Baker, J.B.* Dovedale, *B. & N., J.B.* Monsal Dale, *C.D.* Thorpe, *Rowland, C.D.* Bakewell; Matlock; Miller's Dale, *Painter, J.B.*

G1. Mellor; Stirrup, *Fl. Ashton.* Corbar Wood, Buxton, 350 yards, *Rogers.* Edale; Ashopton; near Yorkshire Bridge.

G2. Wirksworth, *Gibbs.* Shatton; Umberley Brook, near Chatsworth; Kelstedge; Ecclesbourn Brook.

C. Bank of R. Rother, *Waterfall, C.D.* Horsley Car, *C.D.* Birleyhay; The Moss, near Mosbrough; wood east of Eckington; Ault Hucknall; by Pebley Pond; Nether Loads, Brampton. Newton Wood; Sutton Spring, *Pilkington.*

P. Bolsover; Harlesthorpe, near Clowne.

T1. Mickleover; Radbourn; Mugginton, *Painter, Nat^l.* Mackworth, *Bindley.* Snelston Woods; Yeldersley Rough; Longford. Quarndon Well, *Pilkington.*

T2. Breadsall, *Crewe & Whittaker.*

T3. Woody places about Calke, *Purchas, J.B.* Stapenhill, *Hb. Mason.* Bretby; Repton Rocks, *Gibbs.* Near Burton-on-Trent, *Harris, C.D.* Repton, *Wild Fl. Rept.*

Var. *intermedia* Lond. Cat.

L. Matlock, *Whittaker, C.D.* Matlock Bath, *Miss Armitage.*

C. alpina *L.* Top. Bot. 1883, 165.

Native. SH. Brook sides, damp shady woods. Rather rare. P. July-Sept.

First record, *Bot. Guide*, 1805.

L. Matlock, *Bot. Guide.* "Could not find *alpina* at Matlock Bath," *B. & N., J.B.*

G Field near Stirrup Wood, Charlesworth, *Searle, B.L. Rec.*, 1881-2, 214; & 1883, 13, 253.

G2. Ecclesbourn Brook.

T1. Blackwall; Peat Hays, Shirley; Snelston; Brailsford Brook; Breward's Car, Mugginton.

Var. *intermedia* (Ehrh.) *Bot. Guide*, 1805.

L. Matlock Bath, *Crewe & Whittaker.*

G1. Woods about Marple, *Buxton's B.G.*

CUCURBITACEÆ.

BRYONIA *L.*

B. dioica *L.* *White Bryony.*

Native. EG. Hedges. Locally abundant. P. June-July.

First record, *Pilkington*, 1789.

L. Buxton, *Buxton Guide.* About Matlock, *Glover.*

This species avoids mountain limestone, and has not been noticed in the above localities in recent years.

C. South Normanton, *Pilkington.*

T1. Findern; about Derby, *Painter, Natt. & C.D.* About Sinfin Moor, and Baltimore Bridge.

T2. Breadsall, *Whittaker, Phyt.* Spondon, *Hassé, C.D.* Near Trent Station, and Thrumpton Ferry; Sawley; Sandiacre; Long Eaton; Elvaston.

T3. In Plantation near the stables at Calke Abbey, *Bloxam.* Winshill; Stapenhill; Willington; Milton, *Gibbs.* Swarkeston, *Painter, Natt.* Repton, *Wild Fl. Rept.*

UMBELLIFERÆ.

HYDROCOTYLE *L.*

H. vulgaris *L.* *White Rot. Pennywort.*

Native. B. Marshes, damp ground. Rather local. P. June-Sept.

First record, *Pilkington*, 1789.

L. Chee Tor.

G1. Up to 350 yards just above Buxton, *Rogers, J.B.* Bamford; Lose Hill; Hood Brook, Hathersage; Hollinworth Clough; Rising Clough, near Strines Edge.

G2. Tansley Moor on gritstone; avoids the limestone, *B. & N., J.B.* Near Bradwell, *Painter, Natt.* Otterdale, below Shatton Moor; Froggatt; Umberley Brook, near Chatsworth.

C. Breadsall Moor; Morley Moor, *Crewe & Whittaker.* Near Dale, *Hassé, C.D.* Ault Hucknall; Brackenfield Green. S. Normanton, *Pilkington.*

P. Scarcliffe Park Wood.

T1. By Bradley Brook; Shirley. Quarndon Common, *Pilkington.*

T3. Marshy places about Calke, *Purchas, J.B.* Near Burton-on-Trent, *Painter, J.B.* Repton Rocks, *Wild Fl. Rept.*

SANICULA *L.*

S. europæa *L.* *Wood Sanicle.*

Native. B. Woods, shady lanes. Frequent. P. May-July.

First record, *Pilkington*, 1789.

L. Up to 300 yards over Matlock Bath, *B. & N., J.B.* Via Gellia; scarce about Dovedale; Biggin Dale, *Purchas, J.B.* Haddon, *Bindley.* Monsal Dale.

G1. Corbar Wood, 350 yards; Chapel-en-le-Frith, *Rogers.* Near Westend Farm, *Gibbs.* Stirrup, *Fl. Ashton.* Fernilee; Ollerbrook, Edale.

G2. Near Chatsworth, *The Naturalist.* Wirksworth, *Gibbs.*

C. Clinker Wood and Parkhall Wood, near Renishaw, *Waterfall.* Totley, *Painter, Natt.* Walton Wood; Wingerworth; Newton Wood. S. Normanton, *Pilkington.*

P. Whitwell Woods; Cresswell Crags, *The Naturalist.* Scarcliffe Woods, *Waterfall.* Markland Grips; Houghton.

T1. Mickleover, *Painter*, *Nat*. Radbourn, *Bindley*. Shirley Common; Snelston; Longford; Cubley. Mackworth; Rough Heanor, *Pilkington*.

T2. Breadsall; Morley, *Crewe & Whittaker*.

T3. Woods, &c., about Calke, *Purchas*, *J.B.* Bretby; Foremark Bottoms, *Gibbs*. Near Burton-on-Trent, *Painter*, *J.B.*

CONIUM *L.*

C. maculatum *L.* *Hemlock.*

Native. B. Brook banks, hedge-sides, damp woods. Local. B. June-Aug.

First record, *Pilkington*, 1789.

L. Via Gellia, *B. & N.*, *J.B.* Dovedale; banks of brook near the Callow, Ashbourne, *Purchas*, *J.B.* Buxton, *Waterfall.*

G2. Calver; by Ecclesbourn Brook, about Shottle and Duffield; by the Derwent above Allestree.

C. Banks of R. Rother, near Renishaw, *Waterfall.* Beighton, *The Naturalist.* Spital, Chesterfield, *Drabble.* Barlow Brook, in Cobnar Wood; Eckington.

T1. Near Mickleover, *Gibbs.* Ashbourne, *Miss Sandford.* Fox covers at Findern, *Rept. F. & F.* Eaton Wood; Cubley; Sudbury; Doveridge; Atlow.

T2. Breadsall, *Whittaker*, *C.D.* Ockbrook, *Painter*, *J.B.* Chaddesden, *Hassé*, *C.D.* Near Thrumpton Ferry; Sandiacre; by the Derwent, near Great Wilne.

T3. Between Milton and Foremark; also sparingly at Calke, *Purchas*, *J.B.* Stapenhill, *Harris*, *C.D.* Ticknall Quarry, *Rept. F. & F.* Willington, *Gibbs.*

APIUM *L.*

A. graveolens *L.* *Celery.*

Scarcely native; alien, or escape. E.

L. Matlock, *Stevens.*

C. Pinxton, *Pilkington*, 1789.

A. nodiflorum *Reichb. fil.* *Common Water Parsnep.* *Helosciadum nodiflorum* Koch.

Native. E. Ditches, stream sides, wet places. Common. P. June-Sept.

First record, *Pilkington*, 1789.

General through the County. "Wye Valley, up to Ashwood Dale, 300 yards," *Baker*, *J.B.*

Var. *ochreatum* Bab.

L. Between Peak Forest Station and Great Rocks Dale.

C. Hardwick.

A. inundatum *Reichb. fil.* *Helosciadum inundatum* Koch.

Native. B. Pools, canal sides, marshes. Rare. P. June-Sept.

First Record, *Crewe & Whittaker*, 1864.

G1. Chapel Reservoir

C. Morley Moor, *Crewe & Whittaker*. Renishaw Canal, *Waterfall, C.D.* A form occurs near Renishaw on the edge of the canal with many aerial leaves and no submerged ones (see *B.E.C. Rep.*, for 1897, 548). Great Pond, Wingerworth; Great Pond, Hardwick; Pebley Pond.

T3. Pond by Swarkeston Bridge, *Purchas, J.B.* Near Burton-on-Trent, *Painter, J.B.* Old Trent, Repton, *Rept. F. & F.*

CARUM *L.*

***C. Petroselinum** *Benth. & Hook. fil.* *Common Parsley.*

Alien.

C. Horsley Castle, *Hassé, C.D.*

***C. Carui** *L.* *Caraway.*

Alien.

T3. Calke, on the Ashby Road, *Bloxam.* Repton, *Rept. F. & F.*

***C. Bulbocastanum** *Koch.* Casual. GL.

T2. Derby, *Glover.*

SISON *L.*

S. Amomum *L.* *Hedge Stonewort.*

Native. E. Hedges, roadsides. Rare. P. July-Sept.

First record, *Pilkington*, 1789.

T2. Borrowash, *Hassé, C.D.* Spondon, *Painter, J.B.*

T3. Calke, *Bloxam.* Lullington, *Painter, J.B.*

SIUM *L.*

S. erectum *Huds.* *Water Parsnep.*

Native. EB. Ditches, canal sides, rivers. Not uncommon. P. July-Sept.

First found, *Salt*, 1801. *Hb. Salt.* First record, *Glover*, 1829.

L. Monsal Dale, *Hb. Salt.* Youlgreave; Lathkil Dale; Dovedale, *Painter, J.B.*

G2. Ecclesbourn Brook; Ambergate.

C. Renishaw Canal, *Waterfall, C.D.* Canal near Mastin Moor; New Stanton.

P. Markland Grips; near Nether Langwith; Scarcliffe Park Wood.

T1. Findern, *Painter, Natt.* Canal near Chellaston; by the railway, between Sudbury and Scropton; Brailsford Brook, below Ednaston.

T2. Breadsall, etc., *Crewe & Whittaker.* Derby, *Painter, J.B.* Canal side near Trent Lock; Sandiacre; R. Erewash near Long Eaton.

T3. Near Calke Abbey, *Purchas, J.B.* About Burton-on-Trent, *Painter, J.B.* Drakelow Park; by the canal, Egginton.

ÆGOPODIUM *L.*

Æ. Podagraria *L.* *Goutweed.*

Native. BE. Cultivated ground, hedges near houses. Frequent. P. June-Aug.

First record, *Pilkington*, 1789.

L. Dovedale, *B. & N.*, *J.B.* Weed at Buxton, *Rogers.* Hognaston; Harborough Rock.

G2. Matlock Bank, up to 300 yards, *B. & N.*, *J.B.* Fallgate, Ashover; Ambergate.

C. About Renishaw, *Waterfall.* Near Norton Lees, *Hb. Salt.* Pinxton; about Coxbench Wood, *Pilkington.* By Beauchief Abbey; Wingerworth; Freebirch, Old Brampton; Shipley Hall; Ault Hucknall; Dale.

T1. Findern, *Rept. F. & F.* Mickleover, *Bindley.* Shirley; Longford Hall; Marston-on-Dove; Markeaton; Allestree.

T2. Ockbrook, *Smith MSS.* Breadsall, &c., *Crewe & Whittaker.* Canal-side by Chaddesden.

T3. Waste places about Calke, *Purchas*, *J.B.* Burton-on-Trent, *Painter*, *J.B.* Twyford Road, Repton, *Wild Fl. Rept.*

PIMPINELLA *L.*

P. Saxifraga *L.* *Burnet Saxifraga.*

Native. B. Pastures, roadsides, woods. Frequent. P. June-Sept.

First record, *Glover*, 1829.

L. Limestone banks up to 400 yards at Peveril Castle, over Castleton, *Baker*, *J.B.* Up to the heights of Abraham, 350 yards; seen with bright red flowers at Bonsall, *B. & N.*, *J.B.* Buxton; Miller's Dale, *Rogers.* Via Gellia, *Gibbs.* Sterndale, *Stevens.* Bradwell; Ashford; Conies Dale, Peak Forest.

G1. Charlesworth; Mellor, *Fl. Ashton.* Hayfield; Etherow district.

C. About Renishaw, *Waterfall.* Norton, *Painter*, *Natt.* Wilday Green, Barlow; Spink Hill, Eckington; The Moss, Mosbrough; Wingerworth; Dale; Newton Wood.

P. Bolsover; Cresswell Crags; The Walls, Whitwell.

T1. Findern; Mickleover; Kirk Langley; Boylestone, *Gibbs.* About Derby, *C.D.* Shirley; Longford.

T2. Breadsall, &c., *Crewe & Whittaker.* Sandiacre; Elvaston.

T3. Ticknall Quarries, *Purchas*, *J.B.* Calke, *Bloxam.* Parson's Hills, Repton, *Wild Fl. Rept.* Egginton.

P. major *Huds.* *P. magna* L.

Native. EG. Hedge-banks, roadsides. Frequent, preferring limestone. P. July-Sept.

First found, *Salt*, 1800. *Hb. Salt.* First record, *Glover*, 1829.

L. Abundant in Ashwood Dale at the Lovers' Leap, up to 350 yards, *Baker*, *J.B.* Monk's Dale, 350 yards, *West*, *J.B.* Common on limestone banks up to 300 yards on the ridge between Bonsall and Matlock Bridge, *B. & N.*, *J.B.*

More common in Dovedale than *P. Saxifraga*, *Purchas*, *J.B.* Limestone near Calver (Cover), *Hb. Salt.* Pin Dale, near Castleton; Ashford; Kniveton.

G2. Near the Cromford Canal, *Rogers.* Wirksworth, *Gibbs.* Between Hassop and Baslow.

C. By canal near Chesterfield; Shipley Hall; Mapperley; Killamarsh; Beighton; Alfreton; Ault Hucknall; Dale; New Stanton.

P. Bolsover.

T1. Mickleover; Kirk Langley; Boylestone; Doveridge, *Gibbs.* Radbourn, *Painter*, *Nat*^{t}. Shirley; Trusley; Cubley Common; Marston-on-Dove.

T2. Breadsall; Spondon, *Crewe & Whittaker.* Ockbrook, *Smith MSS.* Sandiacre.

T3. Between Melbourne and King's Newton; in one spot at Calke, *Purchas*, *J.B.* Burton, *Painter*, *J.B.* Willington, *Nowers.*

CONOPODIUM *Koch.*

C. denudatum *Koch.* *Pig-nut.* *Earth-nut.* *Bunium flexuosum* With.

Native. B. Pastures, heaths, waysides. Common. P. May-July.

First record, *Pilkington*, 1789.

Everywhere abundant. "Wormhill, 400 yards," *West*, *J.B.*

MYRRHIS *L.*

M. odorata *Scop.* *Sweet Cicely.*

Native. I. Riversides, fields, banks, often near villages. Very abundant locally. P. June.

First record, *Pilkington*, 1789.

L. Tideswell; roadside near the Ebbing and Flowing Well, always near houses, 200-400 yards, *Baker*, *J.B.* Stream sides and lanes up to 300 yards over Bonsall; very wild looking, *B. & N.*, *J.B.* Matlock Bath; Miller's Dale, *Painter*, *J.B.* Monyash; Youlgreave, *Gibbs.* Wardlow; Sheldon; Eyam; Ashford; Bradwell; Wheston; Taddington; Perryfoot, Peak Forest; Litton.

G1. Stirrup; Mellor, *Fl. Ashton.* Banks of the Goyt, just below Whaley Bridge, *Watson N.B.G.* Derwent Dale; Ashopton; Black Brook, Chinley.

G2. Rowsley; Calver, *The Naturalist.* Whatstandwell, *Painter*, *J.B.* By the Derwent near Duffield, *Watson's N.B.G.* Little Eaton, *Crewe & Whittaker.* Shatton; Froggatt; Great Hucklow; Mytham and Grindleford Bridges; Baslow; Beeley; Kelstedge.

C. Beauchief; Dore; Norton; Eckington, *The Naturalist.* Codnor Breach, *Watson's N.B.G.* Canal side above Chesterfield; The Moss, Mosbrough.

T1. Norbury, *Smith MSS.* By the Dove, near Clifton.

T2. Hedges bordering the railway between Breadsall and Derby, *Crewe and Whittaker.*

This species seeds freely and spreads with great rapidity, and once introduced is difficult to eradicate. It seems to have been widely cultivated, as it so often occurs near buildings, yet in other localities, such as field borders and river banks, has all the appearance of a native.

CHÆROPHYLLUM *L.*

C. temulum *L. Rough Chervil.*

Native. BE. Hedges, waysides. Common. P. May-July.

First record, *Glover*, 1829. *Myrrhis temulenta.*

Almost everywhere common. "Ascending to 400 yards over Castleton," *Baker, J.B.*

SCANDIX *L.*

S. Pecten-Veneris *L. Shepherd's Needle. Venus' Comb.*

Native or Colonist. BE. Cultivated land. Not common. A. June-Oct.

First record, *Pilkington*, 1789.

L. Monsal Dale, *Whitelegg, C.D.* Matlock, *Stevens.* Ashwood Dale, *Jewitt.*

G1. Ridge Hall, near Chapel, *Gisborne.* Bamford Station.

C. About Renishaw, *Waterfall.* Norton, *Painter, Natt.* Spital, Chesterfield, *Drabble.* Pinxton, *Pilkington.*

P. Elmton; Pleasley.

T1. Cornfields, Mickleover, *Painter, Natt.* Yeldersley, near Ashbourne; Cubley; Hilton Common.

T2. Breadsall, *Whittaker, C.D.*

T3. Sparingly found by Bloxam [about Calke], *Purchas, J.B.* Bretby; Cauldwell, *Gibbs.* Repton, *Wild Fl. Rept.*

ANTHRISCUS *Bernh.*

A. vulgaris *Bernh. Chærophyllum Anthriscus* Lam.

Native. B. Waysides, banks. Rare. A. June.

First record, *Glover*, 1829. *Scandix Anthriscus.*

P. Limestone cliffs at Markland Grips, near Clowne, *Waterfall.*

T2. Bank of R. Trent, a little east of where the Derwent falls into it.

T3. Stanton-by-Bridge; Swarkeston; sparingly at Ticknall, *Purchas, J.B.* Milton, *Gibbs.* Willington, *Hb. Mason!* Repton Village, *Wild Fl. Rept.*

A. silvestris *Hoffm. Wild Chervil. Chærophyllum silvestre* L.

Native. B. Hedge-banks, roadsides. Common. P. April-June.

First record, *Pilkington*, 1789.

General and abundant throughout the County. "Common up to 400 yards [Buxton], *Baker, J.B.*

***A. Cerefolium** *Hoffm.*

Casual. *Jewitt*, 1811. *Scandix cerefolium. Glover*, 1829.

G1. Burbage, Buxton, *Jewitt.*

***Foeniculum vulgare** *Mill.*

Casual. E.

C. Spital, Chesterfield; Wingerworth, *Drabble.*

ŒNANTHE *L.*

Œ. fistulosa *L.* *Water Dropwort.*

Native. EB. Marshes, wet places. Frequent locally. P. June-Aug.

First record, *Pilkington*, 1789.

L. Near Sterndale, *Stevens.*

C. Morley Moor, *Crewe & Whittaker.* Canal banks near Renishaw, *Waterfall.* Pinxton, *Pilkington.*

T1. By the railway between Sudbury and Scropton.

T2. R. Derwent, near Spondon, *Hassé, C.D.* Alvaston, *Smith MSS.* Breadsall, *Crewe & Whittaker.* Trent Lock; Sawley, and Sawley Junction.

T3. Near Calke Abbey, *Purchas, J.B.* Bretby, *Gibbs.* Rosliston, *Hb. Mason!* Twyford; Burton-on-Trent; Swarkeston Bridge, *Painter, Nat^t. & J.B.* Repton, *Wild Fl. Rept.* By the canal, Egginton.

Œ. crocata *L.*

Native. BE. Wet places, ponds, streamsides. Rare. B. July-Aug.

First record, *Wild Fl. Rept.*, 1866.

T3. Repton, *Wild Fl. Rept.*

Œ. Phellandrium *Lam.* *Water Horsebane.*

Native. EG. River-sides, canals, marshes, ditches. Rather rare. P. July-Aug.

First record, *Watson's N.B.G. Supplt.*, 1837.

T2. Pool near Trent Station; Trent Lock; swamp by the footpath south-east of Long Eaton.

T3. Ponds adjoining Swarkeston Bridge, *Blox. MSS. in N.B.G.* Swamps near Willington Bridge, *Rept. F. & F.* Burton-on-Trent, *Painter, J.B.*

Œ. fluviatilis *Coleman.*

Native. EG. Rivers, streams. Rare. P. June-July.

First record, *N.H. Tutb.*, 1863.

T3. Mr. Bloxam's specimen marked *Œ. Phellandrium* from the Trent belongs to this, which was not then recognised as a species, *Purchas, J.B.* Burton-on-Trent, *Painter, J.B.*

ÆTHUSA *L.*

Æ. Cynapium *L.* *Fool's Parsley.*

Native. BE. Cultivated land. Frequent. A. July-Aug.

First record, *Pilkington*, 1789.

L. Cultivated ground at Matlock, up to 300 yards, *B. & N., J.B.* Dovedale, *Painter, J.B.* Bradwell; Stony Middleton.

G1. Bamford; Malcoff, Chapel-en-le-Frith.

G2. Near the Cromford Canal, *Rogers.* Near Hathersage; Grindleford Bridge; Bubnell, near Baslow; Duffield.

C. The Hague, Renishaw, *Waterfall.* S. Normanton, *Pilkington.* Eckington; Beighton; Coal Aston; Unstone; Mapperley; Codnor.

P. Bolsover; Elmton; Houghton; Whitwell.

T1. Mickleover, *Bindley.* Shirley; Rodsley; Cubley. Gardens at Derby, *Pilkington.*

T2. Breadsall, *Crewe & Whittaker.* Long Eaton; near Trent Station.

T3. About Calke, *Purchas, J.B.* Drakelow, *Hb. Mason!* About Burton-on-Trent, *Painter, J.B.* Repton, *Wild Fl. Rept.*

SILAUS *Bess.*

S. flavescens *Bernh. Sulphur-wort. Pepper Saxifrage. S. pratensis* Bess.

Native. E. Fields, roadsides. Frequent. P. June-Sept.

First record, *Pilkington*, 1789. *Seseli carnifolia.*

L. Near Atlow Whin, *Miss A. B. Purchas.* Alport.

G2. Hills near Chatsworth, *Watson's N.B.G.*

C. Woodland near Beauchief Abbey; Ault Hucknall; between R. Doe Lea and Sutton Scarsdale. S. Normanton, *Pilkington.*

P. Bolsover; near the Walls, Whitwell.

T1. Mickleover, *Gibbs.* Hollington, Longford.

T2. Breadsall; Morley, *Crewe & Whittaker.* Ockbrook, *Smith MSS.* Bartlewood, Spondon, *Hassé, C.D.* Near Trent Station; Long Eaton.

T3. Between Melbourne and Derby, *Purchas, J.B.* Drakelow, *Painter, J.B.* Meadows adjoining Swarkeston Bridge, *Watson's N.B.G.* Calke, *Bloxam.* Repton, *Wild Flower Rept.* By the brook, above Egginton.

ANGELICA *L.*

A. silvestris *L. Angelica.*

Native. B. Damp places in woods, thickets, by ditches. Common. P. July-Sept.

First record, *Pilkington*, 1789.

L. Woods up to 400 yards [Buxton], *Baker, J.B.* Miller's Dale, *Rogers.* Lathkil Dale; Dovedale, *Rowland, C.D.* Matlock Bath, *Painter, J.B.* Ashford.

G1. Near the Snake Inn; Edale; Rowarth; near Glossop; Malcoff, Chapel-en-le-Frith.

G2. Near the Cromford Canal, *Rogers.* Froggatt; Belper; Hazelwood.

C. Canal bank, Renishaw, *Waterfall.* Breadsall Common, *Crewe & Whittaker.* Totley Moss; near Smalley; Mosbrough; woods near Coal Aston; New Stanton; Walton Wood; Newton Wood.

P. By Cresswell Craggs; Langwith wood; Harlesthorpe, near Clowne.

T1. About Derby, *C.D.* Mickleover; Radbourn, *Bindley.* Shirley; Longford; Marston-on-Dove; Sudbury; Hatton.

T2. Canal-side near Spondon; Trent Lock; Sandiacre.

T3. Near Stanley's, Calke, *Purchas, J.B.* Drakelow, *Hb. Mason.* About Burton-on-Trent; Willington, *Painter, J.B., & Nat.* Repton, *Wild Fl. Rept.*

PEUCEDANUM *L.*

***P. Ostruthium** *Koch.*

Alien. *Hb. Salt*, 1800. *Glover*, 1829.

G2. Axe Edge, *Garner*. Near Buxton, an escape, *Hb. Salt*.

P. sativum *Benth. & Hook. fil. Wild Parsnep. Pastinaca sativa* L.

Native. E. Dry banks, field borders, roadsides. Rather rare. B. July-Aug.

First record, *H.N. Tutb.*, 1863.

T1. Railway bank, Mickleover, *Painter. Natt.*

T2. Breadsall, *Crewe & Whittaker*. Near Chaddesden, *Painter, J.B.* Sandiacre; near Trent Station; Long Eaton.

T3. Calke Park, *Rept. F. & F.*

HERACLEUM *L.*

H. Sphondylium *L. Hogweed. Cow Parsnep.*

Native. B. Meadows, roadsides, cultivated ground, &c. Common. P. June-Aug.

First record, *Pilkington*, 1789.

"Common up to 500 yards" [Buxton], *Baker, J.B.* A pink flowered form occurs occasionally.

Var. *angustifolium* Huds.

First record, *Withering*, 1787.

L. Varieties noted [Matlock] with laciniated leaves and small orbicular mericarps, *B. & N., J.B.* Miller's Dale, *Whitelegg, C.D.* Hedges near Bakewell, *Bot. Guide*. Between Okeover and Ashbourne, *Withering*. Taddington; Castleton; Brassington.

G1. Malcoff, near Chapel-en-le-Frith.

G2. Shottle; Idridgehay.

C. Linacre Wood, *Drabble*. East of Totley; Newton Wood.

P. Scarcliffe Park Wood; Langwith Wood.

T1. Etwall, by Ash; Shirley; Bradley; between Longford and Boyleston.

DAUCUS *L.*

D. Carota *L. Wild Carrot.*

Native. B. Fields, banks, on dry or gravelly soil. Not uncommon, but local. B. July-Aug.

First record, *Pilkington*, 1789.

L. Matlock Bath, *Rowland, C.D.* Middleton Dale, *Miss Fenton*. Dovedale, *Painter, J.B.* Ashford; Agnes Meadow, Kniveton.

G1. Stirrup; Mellor, *Fl. Ashton.*

G2. Wigwell, near Wirksworth, *Gibbs*. Casual, Matlock Bank; Ashover.

C. Between Renishaw and Staveley, *Waterfall*. Millhouses, *The Naturalist*. Eckington; Beighton; Crowhole, near Barlow; Millthorpe, near Holmesfield; south of Coal Aston.

P. Bolsover; Pleasley; by Nether Langwith.

T1. Boylestone, *Gibbs*. Mickleover, *Painter*, *Nat*^{t}. Lime Quarries, Snelston Common; Yeldersley, near Ashbourne.

T2. Breadsall, *Crewe & Whittaker*. Risley Park; near Trent Station.

T3. Calke, *Bloxam*. Near Burton-on-Trent, *Painter*, *J.B.* Near Repton Shrubs; near Stapenhill, *Gibbs*. Repton Village, *Rept. F. & F.*

CAUCALIS *L.*

C. daucoides *L.*

Colonist. GE. Arable land. Very rare. A. June-July.

T3. Milton, *Wild Fl. Rept.*, 1866.

C. arvensis *Huds. Corn Parsley. Torilis infesta* Spreng. Top. Bot. "Howitt cat."

Colonist. E. Cultivated land. Rare. A. June-Aug.

First record, *Glover*, 1829.

L. Dovedale, *N.H. Tutb.* "Not seen there lately," *Purchas*, *J.B.*

C. Shipley, *Watson's N.B.G.*

T3. Drakelow; Brizlincote, *Hb. Mason!* Calke, *Bloxam*. Repton, *Rept. F. & F.*

C. Anthriscus *Huds. Hedge Parsley. Torilis Anthriscus* Gaert.

Native. BE. Hedge-banks, field borders, waste ground. Common. A. or B. June-Sept.

First record, *Glover*, 1829.

Generally distributed and abundant. "Common on dry banks up to the Heights of Abraham, 350 yards," *B. & N.*, *J.B.*

C. nodosa *Scop. Torilis nodosa* Gaert. *Top. Bot.* "Howitt Cat."

Native. E. Dry fields and banks. Rare. A. or B. June-Aug.

First record, *Glover*, 1829. *Tordylium nodosum.*

L. Dovedale, *Garner.*

P. Markland Grips, *The Naturalist.*

T2. Breadsall, *Whittaker*, *Phyt.*

T3. Repton, *Wild Fl. Rept.*

ARALIACEÆ.

HEDERA *L.*

H. Helix *L. Ivy.*

Native. B. Woods, hedges, rocks, old walls, banks. Common. S. Sept.-Nov.

First record, *Pilkington*, 1789.

Common everywhere, except at higher levels. "Common on limestone cliffs up to 400 yards; a variety with deeply palmatifid leaves on the walls of Peveril Castle," *Baker*, *J.B.*

CORNACEÆ.

CORNUS *L.*

C. sanguinea *L.* *Cornel.* *Dogwood.*

Native. E. Hedges, woods. Frequent. S. June-July.

First record, *Pilkington*, 1789. *Prickwood.* *Gatton Tree.*

L. Miller's Dale; Matlock, *West*, *J.B.* Truly wild in the limestone dales, up to 350 yards, *Baker*, *J.B.* Via Gellia, *Gibbs.* Cressbrook Dale; Dovedale, *Painter*, *J.B.* Monsal Dale, *Rogers.* Middleton Dale, *Hb. Salt.* Ashford.

G2. Wirksworth, *Gibbs.*

C. Road to Staveley, *Waterfall*, *C.D.* Beighton, *The Naturalist.* Pinxton, *Pilkington.*

P. Whitwell, *The Naturalist.* Cresswell; Clowne; Palterton; Pleasley. Glapwell, *Pilkington.*

T1. Mickleover, *C.D.* Brailsford; Barton Blount; near Cubley Common; Lower Thurvaston. Derby; Kedleston, *Pilkington.*

T2. Breadsall, *Whittaker*, *Phyt.* Near Thrumpton Ferry; Sandiacre; Risley Park; Boulton.

T3. Between Calke and Springwood, rather scarce in the district, *Purchas*, *J.B.* Bretby, *Hagger*, *C.D.* Burton-on-Trent, *Harris*, *C.D.* Osier-bed between Repton and Newton, *Rept. F. & F.*

CAPRIFOLIACEÆ.

ADOXA *L.*

A. moschatellina *L.* *Tuberous Moschatel.*

Native. E. Hedge-banks, woods. Frequent and abundant. P. March-May.

First record, *Pilkington*, 1789.

L. Matlock Bath, *Rowland*, *C.D.* Monsal Dale, *Painter*, *J.B.* About Dovedale, *Purchas.* Chee Tor, *Jewitt.* Brassington Rocks, *Gibbs.* Castleton, *Phyt*, *N.S. ii.*, 482. Lathkil and Bradford Valleys, *Carr.* Deep Dale, Kingsterndale; Monk's Dale.

G1. Fernilee; Chapel-en-le-Frith, *Barker.* Edale.

G2. Wirksworth, *Gibbs.* Hathersage, *Painter.* *Nat*^{t}. Stanton, *Carr.* Dethick, *Pilkington.*

C. Hague Lane, and near the canal, Renishaw, *Waterfall.* Totley, *Painter*, *Nat*^{t}. Pinxton, *Carr.* Dale, *Hassé*, *C.D.*

P. Cresswell Crags, *The Naturalist.*

T1. Dalbury, *Painter*, *Nat*^{t}. Shirley; Roston; Blackwall. Love Lane, Derby; Nursery by Mr. Eames', Mackworth, *Pilkington.*

T2. Breadsall, *Whittaker*, *Phyt.* Morley, *C.D.*

T3. Between Ticknall and Ingleby, *Purchas*, *J.B.* Burton, *Hb. Mason!* Winshill, *Painter*, *J.B.* Bretby, *Hagger*, *C.D.* Repton, *Wild Fl. Rept.*

SAMBUCUS *L.*

S. nigra *L.* *Elder.*

Native. BE. Woods, hedges. Common. T. May-July.

First record, *Pilkington*, 1789.

Generally distributed. "Wye Valley, up to 300 yards," *Baker, J.B.*

Var. *laciniata L.*

L. In hedge of main road, S.W. of Carsington.

S. Ebulus *L.* *Dwarf Elder. Danewort.* Top. Bot. "Howitt cat."

Native. E. Hedges, borders of fields, waysides. Local. P. July-Sept. Used to be cultivated for blue dye.

First record, *Pilkington*, 1789.

L. Matlock, *Stevens.* In two localities at Ashford; Middleton Dale, abundant. Alport; Bakewell; Buxton; Wirksworth, *Pilkington.*

G2. By Bar Brook, near Far End, Baslow, *Linton.* Dethick, *Pilkington.*

C. S. Normanton, *Pilkington.*

T1. Near Brailsford Church, *Kingdon.* Roadside, near Mammerton, Longford.

T2. Boulton, *Pilkington.*

VIBURNUM *L.*

V. Opulus *L.* *Guelder Rose. Water Elder.*

Native. BE. Woods, cars, hedges. Frequent. S. June-July.

First record, *Pilkington*, 1789.

L. Monk's Dale, 350 yards, *West, J.B.* Wye Valley up to Chee Tor, *Baker, J.B.* Dovedale; Matlock, 300 yards, *B. & N., J.B.* Cressbrook Dale, *C.D.* Ashwood Dale, *Jewitt.* Great Shacklow Wood; Scow Brook, Hognaston.

G1. Charlesworth, *Painter, J.B.* Dinting; Wash, near Chapel-en-le-Frith; Edale; Ashopton; near Castleton; Bamford.

G2. Near the Cromford Canal, *Rogers.* Between Hassop and Baslow; Shatton; Froggatt; near Mytham Bridge.

C. Hemsworth, *The Naturalist.* Clinker Wood, Renishaw, *Waterfall.* Kirk Hallam; The Moss, Mosbrough; Loscoe Woods near Coal Aston; Newton Wood; Barlborough.

P. Bolsover; Clowne; Langwith Wood.

T1. Mickleover, *Painter, Natt.* Shirley; Snelston; Trusley; Roston; Markeaton; Cubley.

T2. Breadsall, &c., *Crewe & Whittaker.* Morley, *Painter, J.B.* Near Chellaston.

T3. Woody places, Calke, *Purchas, J.B.* Repton, *Hagger, C.D.* Newton Solney, *Green, C.D.* Repton Shrubs, *Wild Fl. Rept.*

V. Lantana *L.* *Way-faring-tree.*

Native. EG. Hedges, woods. Rare and local. S. May.

First record, *Pilkington*, 1789.

P. Glapwell; Langwith, *Pilkington.*

T3. Measham, *N.H. Tutb.* Repton Shrubs, *Wild Fl. Rept.*

LONICERA *L.*

L. Periclymenum *L. Honeysuckle. Woodbine.*

Native. B. Hedges, woods. Common. S. June-Sept.

First record, *Pilkington*, 1789.

Generally distributed and abundant. "Ascends to 300 yards," *Baker, J.B.*

***L. Xylosteum** *L. Fly Honeysuckle.*

Alien. Hedges, woods. Rare. S. May-June.

First record, *West, J.B.*, 1884.

L. Wormhill, *West, J.B.!*

T3. Calke, *Candler, C.D.*

RUBIACEÆ.

RUBIA *L.*

R. peregrina *L. Wild Madder.*

Native. A. Thickets in limestone dales. Very rare. P. July-Aug.

First record, *The Flora.*

L. Thickets, Dovedale, about 600 ft., in some quantity, *Bindley!* A very interesting extension of this lowland and south western species.

GALIUM *L.*

G. Cruciata *Scop. Crosswort.*

Native. BE. Hedges, woods. Common. P. May-July.

First record, *Pilkington*, 1879.

"Common up to 400 yards on Fairfield Moor," *Baker, J.B.* "Common at all levels [Matlock] up to 350 yards," *B. & N., J.B.* Totley Moss, 400 yards. Very abundant on the Magnesian limestone (P).

G. verum *L. Yellow Bedstraw.*

Native. B. Dry banks and pastures. Frequent. P. July-Aug.

First record, *Pilkington*, 1789. *Cheese Rening. Petty Muguet.*

L. Common up to 400 yards over Castleton, *Baker, J.B.* Miller's Dale; Matlock Bath, Bonsall, *Rogers.* Wormhill, 400 yards, *West, J. B.* Oxlow Rake; Bradwell; Longstone Edge; Ashford.

G1. Birch Vale, *Fl. Ashton.* Axe Edge, *Rogers.* Hayfield; near the Snake Inn.

G2. Abney; near Stony Middleton; Eyam Moor; near the Derwent, above Allestree. Near Duffield, *Glover.*

C. Denby; Shipley Hall; Hackenthorpe; Codnor; Spink Hill, Eckington; Duckmanton; Dale.

P. Bolsover; Clowne; Pleasley; The Walls, Whitwell.

T1. Mickleover, *Bindley*. Ash, Etwall; Marston-on-Dove; Barton Blount; Sudbury; Longford; Markeaton; Kedleston Park.

T2. Breadsall, etc., common, *Crewe & Whittaker*. Sawley; Long Eaton; Sandiacre.

T3. Calke, *Purchas, J.B.* Walton-on-Trent, *Nowers*. Repton, *Wild. Fl. Rept*. Drakelow; Egginton Common.

G. erectum *Huds.*

Native? GE. Dry roadsides and hedge-banks. Very rare. P. July-Aug.

First record, *Glover*, 1829. Top. Bot., "*Derby, Howitt Cat.*"

C. Heanor, *Watson's N.B.G. Suppt.*

T1. Yeldersley fields. In a wood near Wheathill [Mackworth], *Glover*.

G. Mollugo *L. White Bedstraw.*

Native. EB. Hedge-banks, roadsides. Abundant on the Magnesian limestone, elsewhere rare. P. July-Aug.

First record, *Pilkington*, 1789. *Wild Madder. Great Bastard Madder.*

L. Winster, *Milnes, C.D.*

G2. Cromford Moor (var. *insubricum* Gaud.), *Phyt.*, 1858, 611. Arable land, by Dethick Common.

C. About Barlborough Low Common. Pinxton, *Pilkington*.

P. Abundant in this district; seen at Bolsover; Clowne; Elmton; Whitwell; Cresswell; Scarcliffe Park Wood. Not seen at Pleasley, Shirebrook.

T1. Roadside between Osmaston and Ashbourne, *Purchas*. Copse Hill, Osmaston-by-Ashbourne, *Smith MSS*. Railway bank, Mickleover, *Painter, Nat*^{t}.

T3. Near Melbourne; on the road to Stanton-by-Bridge, *Purchas, J.B.* Bretby, rare, *Gibbs*. Repton, *Wild Fl. Rept*.

G. saxatile *L.* *G. montanum* Huds. *G. procumbens* With.

Native. B. Heathy ground, dry banks, woodland. Frequent, but somewhat local. P. June-Aug.

First record, *Pilkington*, 1789.

L. Hartle Dale, Bradwell. Middleton Dale, *Pilkington*.

G1. Ascends to the peak of Axe Edge, over 550 yards, *Baker, J.B.* Chapel-en-le-Frith, *Barker*. Hood Brook, Hathersage; Edale.

G2. Near Hathersage; Abney Clough; Ashover Hay.

C. Breadsall Moor, *Crewe & Whittaker*. Denby; woods N.E. of Coal Aston; near Beauchief Abbey; Cutthorpe, Old Brampton; near Tibshelf; Hardwick; Fritchley.

TI. Mickleover; Findern, *Bindley*. Church Broughton; near Cubley Common; Hulland; Blackwall; Hilton Common; Dalebrook, Sudbury.

T3. Drakelow, *Hb. Mason!* Calke, *Bloxam*. Repton Rocks. *Wild Fl. Rept*. Egginton Common.

G. silvestre *Poll.* *G. pusillum* L.

Native. IH. Limestone rocks and dales, where it is abundant. P. June-Aug.

First record, *Pilkington*, 1789.

L. Wormhill, 400 yards, *West*, *J.B.* Ascends to 400 yards at Peveril Castle, *Baker*, *J.B.* About Matlock, *B. & N.*, *J.B.* Ashford Dale; Dovedale, *Painter*, *J.B.* Lathkil Dale; Monsal Dale, *Smith MSS.* Middleton Dale; Eyam, *Drabble.* Completely covers the limestone rocks in all the dales about Monyash, *Mag. Nat. Hist.* Deep Dale, near Buxton, *B.L. Rec.*, 1873, 20. Wirksworth, *Bindley.* Conies Dale, Peak Forest; Longstone Edge; Great Rocks Dale; Brook Bottom, Tideswell.

Var. *nitidulum* (Thuill.).

L. Near Castleton, *Whitehead*, *C.D.* Via Gellia, *Lomax.* Matlock Bath, *E.B. Ed.* iii., 1865.

G2. Cromford Moor [?], *E.B.*, *Ed.* iii., 1865.

G. palustre *L.*

Native. B. Ditches, marshes, damp places. Common. P. June-Sept.

First record, *Pilkington*, 1789.

Generally distributed. "Swamps up to 500 yards on Axe Edge," *Baker*, *J.B.*

Var. *elongatum* (Presl.).

P. Harlesthorpe, near Clowne.

G1. Near R. Ashop below the Snake Inn.

T1. Hilton, *Hb. Mason!*

Var. *Witheringii* (Sm.).

G1. Axe Edge, *Painter*, *Nat^t.*

C. Brierley Wood, Unstone.

T2. Ockbrook; between Locko and Spondon, *Smith MSS.* Morley; casual at Chaddesden, *Painter*, *Nat^t.*

T3. Willington; Repton, *Painter*, *Nat^t.*

G. uliginosum *L.* *Bog Bedstraw.*

Native. BE. Bogs, marshes. Local. P. July-Aug.

First record, *Pilkington*, 1789.

L. Ashwood Dale, *Jewitt.*

G1. Axe Edge, *Painter*, *J.B.* Hood Brook, Hathersage.

G2. Umberley Brook, near Chatsworth; Blake Brook, above Baslow.

C. Mosbrough; Totley Moss, 400 yards; New Stanton, near the canal. In marshes about Coxbench, *Pilkington.*

P. Scarcliffe Park Wood. Pleasley Park, *Pilkington.*

T1. Wyaston Brook, *Smith MSS.* Findern, *Bindley.* By Aldercar, between Ednaston Lodge and Bradley; Shirley Park; by Brailsford Brook, near Ednaston.

T3. Bog at Foremark Park, *Purchas*, *J.B.* Below the Mill, Calke, *Bloxam.* Near Old Trent, *Wild Fl. Rept.*

[**G. anglicum** *Huds.*

Casual, or more probably, error.

G2. Near Ambergate, *Phyt. N.S.*, 1858, 611.

T3. Winshill, *N.H. Tutb.*]

G. Aparine *L.* *Goose Grass. Cleavers. Harriff.*

Native. B. Hedges, cultivated ground, waste places. Common. P. June-Sept.

First record, *Pilkington*, 1789.

Abundant and generally distributed, except at high levels. "Up to 450 yards," *Baker, J.B.*

G. tricorne *Stokes.*

Colonist. GE. Arable land. Local and rare. A. July-Aug.

First record, *Smith MSS.*, 1854-70; also *C.D.*, 1889.

P. Cornfield about a mile north of Bolsover.

T1. Cornfields, *Smith MSS.* No locality given.

ASPERULA *L.*

A. odorata *L.* *Woodruff.*

Native. B. Shady banks, woods, thickets. Local. P. May-June.

First record, *Pilkington*, 1789.

L. Wye Valley, up to Chee Tor, 250 yards, *Baker, J.B.* Matlock Bath, *Rowland, C.D.* Via Gellia, *Gibbs.* Great Shacklow Wood, Ashford; Cressbrook. Dovedale, *Pilkington.*

G1. Ashopton; Ollerbrook, Edale; Upper Hurst Brook, Bamford; Hood Brook. Hathersage.

G2. Woods between Wensley and Birchover; Froggatt; Wakebridge, Crich; Ashover Hay.

C. Parkhall Woods, Renishaw, *Waterfall.* Unthank; wood below Hallcliff Farm, Nether Loads; Wingerworth; wood east of Smalley; north-east of Coal Aston; near Totley; Newton Wood; Ault Hucknall.

P. Whitwell Wood, *The Naturalist.* Markland Grips; Langwith Wood.

T1. Near Kedleston Park, *Gisborne.* Wooded hollow below Blackwall; Shirley; Roston; Snelston Common; Stydd.

T2. Breadsall, *Crewe & Whittaker.*

T3. Hedge-bank at Heath End, *Purchas, J.B.* Bretby, *Gibbs.* Burton, *Hb. Mason!* Repton Shrubs, *Wild Fl. Rept.* Repton, *Bindley.*

A. cynanchica *L.* *Squinancy-wort.*

Native. E. Dry grassy slopes, stony banks. Rare. P. July-Aug.

First record, *Pilkington*, 1789.

L. Bonsall, *Crewe & Whittaker.* The Warren, Ashford, *Miss Fenton.*

C. Pinxton, *Pilkington.*

T1. Normanton, *Pilkington.*

SHERARDIA *L.*

S. arvensis *L. Field Madder. Spurwort.*

Native. B. Arable land. Frequent. A. or B. May-Oct.

First record, *Pilkington*, 1789.

L. Miller's Dale, *West, C.D.* Dovedale, *Rowland, C.D.* Lathkil Dale, *Painter, J.B.* Youlgreave, *Gibbs.* Matlock, *Stevens.* Wensley.

C. About Renishaw, *Waterfall.* Millhouses, *The Naturalist.* Norton, *Painter, Natt.* Dale, *Hassé, C.D.* Tapton, *Drabble.* Fritchley.

P. Markland Grips, *The Naturalist.* Whitwell; Langwith; Cresswell; Pleasley.

T1. Mickleover, *Painter, Natt.* Shirley; Rodsley. Quarndon Common, *Pilkington.*

T2. Ockbrook, *Smith MSS.* Spondon; Alvaston, *Hassé, C.D.* Breadsall, *Crewe & Whittaker.*

T3. Calke, *Purchas, J.B.* Bretby; Cauldwell, *Gibbs.* Drakelow; Linton, *Painter, J.B.* Repton, on Askew Hill, *Wild Fl. Rept.* Fields about Repton Rocks, *Rept. F. & F.* Waste gravelly place by road from Twyford to Findern.

VALERIANEÆ.

VALERIANA *L.*

V. dioica *L. Marsh Valerian.*

Native. E. Marshes, damp meadows. Frequent. P. May-June.

First record, *Pilkington*, 1789.

L. Via Gellia; near Bakewell, *Painter, J.B. & Natt.* Wirksworth, *Bindley.* Ashwood Dale, *C.D.*

G1. Axe Edge, *Green C.D.* Charlesworth; Kinderscout, *Fl. Ashton.* R. Sett, south of Hayfield.

G2. Tansley Moor, *Stevens.* Abney Clough; Froggatt; Umberley Brook, near Chatsworth.

C. Newton Wood; Ault Hucknall.

P. Markland Grips, *The Naturalist.* Scarcliffe Woods, *Waterfall.* Harlesthorpe, near Clowne; near The Walls, Whitwell.

T1. Marshy fields near Bradley Brook; Shirley. Siddals, Derby, *Pilkington.*

T2. Breadsall, *Hassé, C.D.* Morley, *Painter, J.B.*

T3. Dimminsdale, Calke, *Purchas, J.B.* Repton Rocks, *Gibbs.* Milton, *Hagger, C.D.* Drakelow, *Painter, J.B.* Between Repton and Twyford, *Wild Fl. Rept.*

V. Mikanii *Syme. Valerian. V. officinalis L.* var. *Mikanii* (Wats.).

Native. B. Limestone dales, woods, hedge-banks. Frequent. P. June-Sept.

First record, *Dillenius*, 1724. "*Valeriana sylvestris major montana.*" "*In pascuis humidis juxta Balneum Buxtoniense agri Derbiensis, supra locum saxis et spinis horridum Ashwood dictum, D. Richardson.*"

L. Common in damp woods [Buxton] up to 350 yards, *Baker, J.B.* Frequent about Matlock, *B. & N., J.B.* Miller's Dale, *Rogers.* Dovedale, *Painter, J.B.* Hope; Hartle Dale, Bradwell; Conies Dale, Peak Forest; Ashford.

G1. Chapel-en-le-Frith, *Rogers.* Fairbrook Clough, near the Snake Inn; Ashopton; Edale; Hood Brook, Hathersage.

G2. Abney Clough; Froggatt; Belper; near the Derwent, above Allestree. Duffield, *Pilkington* (*V. officinalis*).

C. About Renishaw, *Waterfall.* Millhouses; Beauchief, *The Naturalist* (*V. officinalis*). Wood near Smalley; Mosbrough; West Hallam; New Stanton.

P. Markland Grips, *The Naturalist.*

T1. Kedleston Park; canal-side below Osmaston; Shirley; Trusley; Cubley; near the Dove, Sudbury.

T2. Ockbrook, *Smith MSS.* Near Trent Station.

T3. Drakelow, *Hb. Mason!* Burton-on-Trent, *Harris, C.D.*

V. sambucifolia *Willd. Cat's Valerian. Allheal.*

Native. B. Wet places, river-sides, avoiding limestone, and mostly at lower levels than the preceding. Local. P. June-Aug.

First record, *N.H. Tutb.*, 1863.

L. Bradwell, *Painter, Nat^t.*

G1. Near Low Leighton, New Mills; Cadster Brook, Chinley, a form departing from *V. sambucifolia* towards *V. Mikanii.*

G2. By Bar Brook and Blake Brook, above Baslow.

C. Walton Wood; wood below Hallcliff Farm, Nether Loads; Hardwick, Hardwick Wood; Horsley Gate; mill pond N.E. of Fritchley.

T1. Mickleover, *Painter, Nat^t.* Hoon; Church Broughton; Barton Blount; Meynell Langley.

T2. Breadsall, *Crewe & Whittaker.*

T3. Woody places, Calke, *Purchas, J.B.* Near Burton Bridge, *N.H. Tutb.* Repton, *Painter, Nat^t.* Anchor Church, *Bindley.*

***Centranthus ruber** *DC. Red Valerian.*

Casual; escape.

L. Rocks near Litton Mill, Tideswell, *Sunderland, C.D.* Saxton's Bath, Matlock, *Watson's N.B.G.*

VALERIANELLA *Mœnch.*

V. olitoria *Poll. Corn Salad. Lamb's Lettuce.*

Native. B. Cultivated land, banks, limestone rocks. Not uncommon. A. May-July.

First record, *Pilkington*, 1789. *Valeriana locusta.*

L. Wormhill, 400 yards, *West, J.B.* Lathkil Dale, *The Naturalist.* Matlock Bath, *Painter, J.B.* Buxton, *Buxton Guide.* Youlgreave, *Gibbs.* Litton; Miller's Dale.

C. About Renishaw, *Waterfall.* Tapton, *Drabble.* Killamarsh.

T1. About Clifton Station, *Miss Sandford.* Mickleover, *Bindley.* North of Ednaston Lodge in fields towards Bradley; near Spread Eagle Inn, Findern.

T2. Breadsall, rare, *Whittaker, Phyt.* Morley, *Painter, J.B.*

T3. Stanton-by-Bridge, *Purchas, J.B.* Stapenhill, *Hb. Mason!* Cauldwell, *Painter, J.B.* Newton, *Wild Fl. Rept.* Calke, *Bloxam.*

***V. eriocarpa** *Desv.* Casual.

L. Dovedale, *Watson's N.B.G. Suppt.*, 1837.

V. carinata *Loisel.*

Native. E. Limestone rocks. Rare. A. June-July.

First record, *Phyt. N.S.*, 1858.

L. Dovedale, *Smith MSS.* "To all appearance as wild as anything else on the limestone rocks of Derbyshire and North Staffordshire, not indeed occurring so frequently or so plentifully as *V. olitaria*, but nevertheless in stations far enough from cultivation," *Purchas, J.B.*, 1894. Deep Dale and other stations near Buxton, *B.L. Rec.*, 1873, 21. Castleton, *Phyt.* ii., 482. Cromford, *Hb. Mason!* In two spots in Ravensdale, growing on the limestone crags in company with *V. olitoria, Ley, B.E.C. Rep.*, 1877. Miller's Dale; Litton; abundant on Brassington Rocks; Great Rocks Dale.

V. rimosa *Bast. V. Auricula* DC.

Colonist. EB. Cultivated land. Rare. A. July.

First record, *Crewe & Whittaker*, 1864.

L. Monsal Dale, *Smith MSS.* Dovedale, *Nowers.*

T2. Ockbrook; Locko Park, *Smith MSS.* Breadsall, *Crewe & Whittaker.*

V. dentata *Poll.*

Colonist. E. Cultivated land. Frequent. A. June-Sept.

First record, *Glover*, 1829.

L. Miller's Dale, *West, J.B.* Matlock, *Stevens.*

G1. Between Upper and Nether Hurst, Bamford.

C. Tapton, *Drabble.* Fritchley; Barlow Lees; near Codnor Park Station; Killamarsh; near Hardwick Wood; fields near Linacre House.

P. Elmton; Whitwell.

T1. Hulland; fields between Yeldersley and Ednaston Lodge.

T2. Breadsall, *Whittaker*, *Phyt.* Hopwell Hall, near Risley, *Watson's B.B.G.* Ockbrook, *Smith MSS.* Morley, *Painter*, *J.B.*

T3. Fields on the west side of Calke Park, very abundantly; in a field near Archer's Pool, White Hollows, *Purchas*, *J.B.* Newhall, *Gibbs.* By Repton Rocks, *Wild Fl. Rept.*

DIPSACEÆ.

DIPSACUS *L.*

D. silvestris *Huds. Teasel.*

Native. E. Roadsides, fields, river-banks; Coal measures and Trias. Locally plentiful. B. July-Aug.

First record, *Withering*, 1787. "*I have not found it north of Derbyshire and Nottinghamshire.*" Wood in With.

C. Bank of R. Doe Leigh, Renishaw, *Waterfall.*

T1. Mickleover; Radbourn, *Painter*, *Nat^t.* Eaton Woods, *Garner.* Kedleston; Thurvaston, *Glover.* Markeaton; very frequent for several miles round the town of Derby, *Pilkington* (*D. fullonum*, by which he means *D. silvestris*, as he calls his plant "Wild Teasel" and speaks of it as being "cultivated in some parts of England").

T2. Ockbrook, *Hassé*, *C.D.* Breadsall, *Whittaker*, *Phyt.* Chaddesden, *Painter*, *J.B.* Spondon, *Glover.* By the Erewash, north of Long Eaton.

T3. Calke, *Purchas*, *J.B.* Burton, *Hb. Mason!* Swarkeston Bridge, *Painter*, *J.B.* Ticknall Quarry, *Rept. F. & F.* Near Anchor Church, *Wild Fl. Rept.* Egginton, by the brook and by R. Dove.

D. pilosus *L. Small Teasel. Shepherd's Rod.*

Native. EG. Woods, hedge-banks, roadsides. Local and rare. B. July-Sept.

First record, *Pilkington*, 1789.

L. Cromford Valley, plentiful, *B. & N.*, *J.B.* Via Gellia, *Painter*, *J.B.* Foot of High Tor, Matlock Bath, *Hb. Mason!* Dovedale, *Macefield*, *C.D.* Between Tideswell Dale and Miller's Dale, 280 yards.

T1. Between Ednaston and Hollington, *Goodall.* Eaton Woods, *Garner.*

T2. Betwixt Derby and Spondon, *Pilkington.*

T3. Repton Shrubs, *Gibbs.* Near Bretby Mill, *Rept. F. & F.* Repton to Newton, *Wild Fl. Rept.*

SCABIOSA *L.*

S. succisa *L. Devil's Bit Scabious.*

Native. B. Damp pastures, heaths, waysides. Frequent. P. July-Sept.

First record, *Pilkington*, 1789.

L. Monsal Dale, *Rogers.* Miller's Dale; Wormhill; Dovedale; Bradwell, *Painter*, *J.B.*, *& Nat^t.* Matlock Bath; Bonsall; Slaley, *Rowland*, *C.D.* Taddington; Conies Dale, Peak Forest; Brough.

G1. Chapel-en-le-Frith, *Rogers*. Frequent up to 400 yards [Buxton], *Baker*, *J.B.* Mills, near Mellor; near the Snake Inn; Edale; Hood Brook, Hathersage.

G2. Wirksworth, *Gibbs*. Abney; Froggatt; Curbar.

C. About Renishaw, *Waterfall*. Norton, *Painter*, *Nat*^{t}. Woods N.E. of Coal Aston; Barlborough Low Common; Unstone; Hardwick Wood; Linacre Wood; Walton Wood; near Stubbing Court.

T1. Mickleover, *Gibbs*. Shirley; Longford, occasionally with white or pale flowers.

T2. Breadsall, *Whittaker*, *Phyt*. Ockbrook, *Painter*, *J.B.* Wilsthorpe, near Long Eaton.

T3. Calke; fields, rather scarce, *Purchas*, *J.B.* Gresley, *Painter*, *J.B.* Repton Shrubs, *Rept. F. & F.* Parson's Hills, Repton, *Wild Fl. Rept.* A plant occurred in Dovedale just intermediate between this and the next species, both species growing plentifully at the place.

S. Columbaria *L.* *Small Field Scabious.*

Native. E. Banks, pastures, especially on limestone. Locally abundant. P. June-Aug.

First record, *Pilkington*, 1789.

L. One of the commonest plants of the limestone cliffs up to 400 yards, *Baker*, *J.B.* Wormhill, *West*, *J.B.* Matlock Bath; Slaley; Bonsall, *Rowland*, *C.D.* Dovedale; Hartington, *Painter*, *J.B.* & *Nat*^{t}. Castleton, *The Naturalist*. Brassington Rocks, *Gibbs*. Bakewell; Middleton Dale, *Hb. Salt*. Bradwell; Bee Low, Peak Forest.

G2. Duffield to Allestree, *Gisborne*. Wirksworth; near Great Hucklow; Burbage Brook.

C. Horsley Castle, *Glover*.

P. Markland Grips, *The Naturalist*. Bolsover; Elmton; Whitebrick Moor, Whitwell.

T3. Willington Junction, *Rept. F. & F.* Probably casual.

S. arvensis *L.* *Field Scabious.* *Knautia arvensis* Coult.

Native. B. Roadsides, hedge-banks, fields. Frequent. P. June-Aug.

First record, *Pilkington*, 1789.

Generally distributed, though nowhere very plentiful. "Common up to 400 yards," *Baker*, *J.B.*

COMPOSITÆ.

EUPATORIUM *L.*

E. cannabinum *L.* *Hemp Agrimony.*

Native. BE. Ditches, riversides, woods. Frequent, but rather local. P. Aug.-Sept.

First record, *Pilkington*, 1789.

L. Woods about Matlock up to 300 yards, *B. & N.*, *J.B.* Wye Valley, up to 250 yards, *Baker*, *J.B.* Ashwood Dale, *Green*, *C.D.* Bakewell, *West*, *J.B.* Lathkil Dale, *Rowland*, *C.D.* Monsal Dale; Dovedale, *C.D.* Dean Hollow, near Cromford, *Gibbs.* Haddon, *Painter*, *Nat^t.*

G2. Near the Cromford Canal, *Rogers.* Near the Derwent, above Allestree; Rowsley; Handley wood, Shottle. Duffield, *Pilkington.*

C. Newton Wood; Ault Hucknall.

P. Steetley, *Painter*, *Natt.* Cresswell, *The Naturalist.* Near the Walls, Whitwell; Whaley Mill; Markland Grips; Nether Langwith.

T1. Near Boylestone, *Gibbs.* Mugginton, *Painter*, *Nat^t.* By Bradley Brook; canal-side below Osmaston. By Markeaton Brook, *Glover.*

T2. Banks of R. Derwent, Breadsall, *Crewe & Whittaker.* Canal-side near Spondon; Sandiacre, by canal; Sawley.

T3. Calke, *Purchas*, *J.B.* Repton Rocks, *Gibbs.* Brook between Milton and Foremark, *Wild Fl. Rept.* Burton-on-Trent, *Painter*, *J.B.*

SOLIDAGO *L.*

S. Virgaurea *L.* *Golden Rod.*

Native. B. Woodland, hedge-banks, heaths. Frequent. P. July-Sept.

First record, *Pilkington*, 1789.

L. Miller's Dale; between Miller's and Monsal Dales, *Rogers.* Via Gellia, *Purchas*, *J.B.* Woods about Buxton; woods about Matlock, *C.D.* Cressbrook Dale; Great Rocks Dale.

G1. Cliffs up to 450 yards in Goyt's Clough, *Baker*, *J.B.* Stirrup Wood, *Fl. Ashton.* Near the Snake Inn; Back Tor, Edale; Upper Hurst Brook, Bamford; New Mills.

G2. Wirksworth, *Gibbs.* Rowtor Rocks, *Purchas.* Abney Clough; Froggatt; below Mytham Bridge; Grindleford Bridge.

C. Beauchief; Totley, *The Naturalist.* Breadsall Moor, *Crewe & Whittaker.* Holmesfield, *Painter*, *Nat^t.* Dale, *Hassé*, *C.D.* Sheepbridge; Walton Wood.

P. Cresswell Crags, *Waterfall*, *C.D.* Markland Grips.

T3. Repton, *Wild Fl. Rept.* Gresley, *Painter*, *J.B.*

Var. *cambrica* Huds.

L. Topley Pike, *Green*, *C.D.*, *t. Baker*, *J.B.*

BELLIS *L.*

B. perennis *L.* *Daisy.*

Native. B. Pastures, fields, waysides, lawns. Very common. P. March-Nov.

First record, *Pilkington*, 1789.

"Common up to 500 yards," *Baker*, *J.B.* A form without ray florets was found at Markland Grips (P.) by Mr. Gibbs, *Nat^t.*, 1900, 50.

ERIGERON *L.*

E. acre *L.* *Blue Fleabane.*

Native. E. Gravelly places, railway banks, lime quarries. Local and rare. P. July-Aug.

First record, *Glover*, 1829.

P. Clowne; Cresswell Crags.

T1. Norbury, *Smith MSS.* Lime quarries, Snelston Common; probably the same locality.

T3. Ticknall Quarry, *Rept. F. & F.* Calke, *Bloxam.*

FILAGO *L.*

F. germanica *L.* *Cudweed.*

Native. B. Arable land, waste ground. Rare. A. June-Sept.

First record, *Pilkington*, 1789. *Gnaphalium germanicum.*

L. Tideswell, *Painter*, *Nat*^{t}.

C. About Renishaw, *Waterfall.* Roads about Coxbench, *Pilkington.*

P. Markland Grips, *The Naturalist.* Langwith Junction.

T1. Shirley, lane to Wormsey. Betwixt Derby and Osmaston, *Pilkington.*

T2. Breadsall, *Crewe & Whittaker.*

T3. Fields and dry banks about Calke, *Purchas, J.B.* Repton, *Hagger, C.D.* Near Repton Rocks, *Wild Fl. Rept.*

F. minima *Fr.*

Native. B. Dry gravelly places and fields. Rare and local. A. June-Aug.

First record, *Withering*, 1787? *Glover*, 1829.

T1. Gravelly heath by large pond close to the railway below Findern.

T3. Field near Repton Rocks, *Wild Fl. Rept.*

[**F. gallica** *L.*

Casual? most probably the preceding was mistaken for this.

Heaths, Derbyshire, *Withering*, 1787.]

ANTENNARIA *Gaertn.*

A. dioica *R. Br.* *Mountain Cudweed. Catsfoot. Gnaphalium dioicum L.*

Native. SB. Moors, mountain pastures. Local and rare. P. June-Aug.

First record, *Gisborne*, 1790-95; also *Bot. Guide*, 1805.

L. At Arbor Low, between Buxton and Ashbourne, *Purton.* Between Monyash and Newhaven, *Gisborne* (possibly the same locality as the preceding). Diamond Valley, Buxton, *Green, C.D.* Fin Hill, Brushfield [Taddington], *Watson's N.B.G.*

G1. Glossop, *West, J.B.* Axe Edge, *Painter, J.B.!* Hills between Hayfield and Kinderscout, *Bot. Guide.*

G2. Hillside behind Baslow, *Gem of the Peak.*

GNAPHALIUM *L.*

G. uliginosum *L. Marsh Cudweed.*

Native. B. Damp roadsides, arable land, waste ground. Frequent. A. June-Sept.

First record, *Pilkington*, 1789.

L. Fairfield Common, Buxton, 400 yards, *Baker, J.B.*

G1. By the brook, below Rowarth; Bamford.

G2. Whatstandwell, *B. & N., J.B.* Below Hathersage; Baslow; Chatsworth; Kelstedge.

C. The Hague, Renishaw, *Waterfall.* Morley Moor, *Painter, J.B.* Tapton, *Drabble.* By the large pool east of Killamarsh; Dronfield; Birleyhay; by Barlow Brook; Wingerworth; Shirland; Dale.

P. Whitwell Wood.

T1. Mickleover; Long Lane, *Painter, Natt.* Burnaston, *Bindley.* Sudbury; Cubley; Barton Park; Church Broughton; Shirley. Allestree, *Pilkington.*

T2. Elvaston; Locko, *Hassé, C.D.* Breadsall, *Crewe & Whittaker.* Chellaston, *Painter, J.B.* Long Eaton.

T3. About Calke, *Purchas, J.B.* Repton Shrubs, *Gibbs.* About Burton-on-Trent, *Painter, J.B.* Egginton Common.

G. silvaticum *L. Heath Cudweed.*

Native. B. Heathland, pastures, waysides. Rather rare and local. P. July-Sept.

First record, *Whittaker, Phyt.*, 1847.

L. Newhaven, *Painter, J.B.*

G1. Stirrup Wood, Charlesworth, *Hannan, C.D.* Combes Moss, *Green, C.D.*

G2. Abney.

C. Roadside, Breadsall Moor, *Whittaker, Phyt.* Brackenfield Green; abundant in open ground, Parkhall Woods.

P. Whitwell Wood.

T1. Mickleover; Mugginton, *Painter, Natt.* By Bradley Wood; sandy ground, Edlaston Coppy; Breward's Car, near Windley; Cross o' th' Hands, near Hulland Ward.

T3. Repton Rocks, *N. H. Tutb.* Repton, *Wild Fl. Rept.*

INULA *L.*

I. Conyza *DC. Ploughman's Spikenard.*

Native. E. Banks, roadsides, on limestone. Local. P. Aug.-Sept.

First record, *Glover*, 1829. *Conyza squarrosa.*

L. Miller's Dale, 250 yards, *Baker, J.B.* Via Gellia; Matlock Tor, *B. & N., J.B.* Monsal Dale; near Cressbrook Dale, *C.D.* Taddington Dale.

P. Steetley, *Painter, Natt.* Markland Grips; Cresswell Crags.

PULICARIA *Gærtn.*

P. dysenterica *Gærtn. Flea-bane.*

Native. E. Damp roadsides, marshy parts of pastures. Not uncommon. P. July-Sept.

First record, *Pilkington*, 1789.

L. Wye Valley, up to 250 yards at Chee Tor, *Baker, J.B.* Matlock Bath; Thorpe, *Rowland, C.D.* Tissington, *B. & N., J.B.* About the upper part of Dovedale, *Purchas.*

G1. About Bugsworth, *Rogers.* Chapel Reservoir; Hague Bar, New Mills; Rowarth; fields west of Grindsbrook, Edale; Derwent Dale.

G2. Whatstandwell, *B. & N., J.B.* Near Rowsley, *Rogers.* Milltown, *Drabble.* Near Hathersage; Holbrook; Crich Common.

C. Renishaw Canal, *Waterfall, C.D.* Near Holmesfield, *The Naturalist.* Coal Aston; east of Totley; Denby; Sutton; Hardwick and Walton Woods; Barlborough; New Stanton. Pinxton, *Pilkington.*

P. Markland Grips, *The Naturalist.* Harlesthorpe, near Clowne; Bolsover; Elmton; Langwith Wood.

T1. Common about Derby, *C.D.* Mickleover, *Painter, Natt.* Mackworth; canal-side below Osmaston; Cubley Common; Snelston; Nether Biggin.

T2. Breadsall, *Whittaker, Phyt.* Canal-side near Trent Lock; Sandiacre.

T3. Damp places by roadsides, Calke, *Purchas, J.B.* Repton, *Wild Fl. Rept.*

BIDENS *L.*

B. cernua *L. Nodding Bur Marigold.*

Native. EB. By canals, slow streams, ponds. Local. A. July-Sept.

First record, *Pilkington*, 1789.

G2. Brook at Little Eaton, *Pilkington.*

C. Renishaw Canal.

T1. Kedleston, *Bindley.* Wyaston; Tinker's Inn, Osmaston-by-Ashbourne; over 500 feet between Yeaveley and Cubley.

T2. Banks of the Lake, Locko Park; Morley, *Crewe & Whittaker.* Canal near Allenton; by the Trent, near Sawley.

T3. Ponds at Calke, *Purchas, J.B.* Bretby Ponds, *Gibbs.* Brook-end, Repton, *Wild Fl. Rept.* Crewe's Pond, *Rept. F. & F.*

B. tripartita *L. Water Hemp.*

Native. EB. Poolsides, canals. Local. P. July-Sept.

First record, *Pilkington*, 1789.

G1. Plentiful at Chapel Reservoir.

C. Renishaw Canal, *Waterfall, C.D.* Large Pool, east of Killamarsh; Loscoe; Great Pond, Wingerworth; New Stanton.

T1. Canal below Osmaston; Barton Blount.

T2. Breadsall, *Crewe & Whittaker.* Sandiacre; canal near Allenton.

T3. Pond below the Mill at Calke, *Bloxam.* Twyford, *Hagger, C.D.* Burton-on-Trent, *Painter, J.B.* Brook-end, Repton, *Wild Fl. Rept.*

ACHILLEA *L.*

A. Millefolium *L. Yarrow. Milfoil.*

Native. B. Roadsides, pastures, heaths. Common. P. June-Sept.

First record, *Pilkington*, 1789.

Generally distributed. "Common up to 500 yards," *Baker, J.B.* With bright pink flowers at Bradley and at Mammerton, Longford (T1).

***A. tanacetifolia** *All.*

Alien.

L. Matlock, *Crewe & Whittaker.*

G2. On Cromford Moor, July 21, 1843, by Mr. Thos. Hardy, *Ann. Nat. Hist.*, 1847.

***A. decolorans** *Schrad. A. serrata* E.B.

Alien. Neighbourhood of Matlock, *Phyt.*, 1861, 383. "Fine *A. serrata* seen in garden at Matlock Bath," *B. & N., J.B.*

A. Ptarmica *L. Sneezewort.*

Native. B. Marshes, stream-sides, roadsides. Frequent. P. July-Sept.

First record, *Pilkington*, 1789. *Goose-tongue. Bastard Pellitory.*

L. Winster; Cromford, *Milnes, C.D.* Matlock, *Stevens.* Near Buxton, *Jewitt.*

G1. Goyt's Clough, 450 yards, *Baker, J.B.* Fernilee; Chapel-en-le-Frith, *Barker.* Glossop; Tarden, near Mellor; Edale.

G2. Lumsdale, *B. & N., J.B.* Darley Moor, *Carr.* Crich, *Milnes, C.D.* Froggatt; east of Bradwell; below Hathersage. Between Duffield and Coxbench, *Pilkington.*

C. The Hague, Renishaw, *Waterfall.* Millhouses, *The Naturalist.* Norton, *Painter, Nat.* Barlborough Low Common; Mosbrough; canal near Shipley Gate; pool east of Killamarsh; Wingerworth; Pebley Pond; Dale; New Stanton.

T1. Mickleover, *Painter, Nat.* By Bradley Brook; Cubley Common; Church Broughton; Barton Park. In a moist close by Radbourn Common, *Pilkington.*

T2. Ockbrook; Locko Park; Spondon Fields, *Smith MSS.* Breadsall, *Crewe & Whittaker.* Sandiacre.

T3. Near Calke, *Purchas, J.B.* Gresley; Willington, *Painter, J.B.* Repton Rocks, *Wild Fl. Rept.* Drakelow.

***A. tinctoria** *L.*

Casual.

C. The Hague, Renishaw, *Waterfall.*

A. Cotula *L. Stinking May-weed.*

Colonist. EB. Arable land, waste places, roadsides. Rare. A. June-Sept.

First record, *Pilkington*, 1789.

L. Miller's Dale, 250 yards, *Rogers, J.B.*

G1. Chapel-en-le-Frith, *Whitehead, C.D.*
G2. Baslow, *Linton.*
C. Pinxton; Holbrook Field, *Pilkington.*
P. Elmton.
T1. Mickleover, *Painter. Nat*^{t}.
T2. Breadsall, *Crewe & Whittaker.*
T3. Cornfields about Calke, *Purchas, J.B.*

A. arvensis *L. Corn Chamomile.*

Colonist. EB. Arable land. Rare. A. June-Sept.

First record, *Pilkington*, 1789.

L. Roadside, Miller's Dale, 250 yards, *Baker, J.B.*
C. About Renishaw, *Waterfall.*
P. Between Pleasley and Rowthorne.
T1. Yeldersley; Bradley.
T2. Breadsall, *Crewe & Whittaker.*
T3. Newhall, *N.H. Tutb.* Repton, *Wild Fl. Rept.*

A. nobilis *L. Chamomile.*

Native. E. Heaths, commons. Rare. P. July-Sept.

First record, *Glover*, 1829.

G2. Tansley Moor, *Milnes, C.D.*
C. Morley Moor, *Painter, J.B.*
T2. Ockbrook, *Painter, J.B.*
T3. Linton, *N.H. Tutb.*

CHRYSANTHEMUM *L.*

C. segetum *L. Corn Marigold.*

Colonist. B. Arable land. Abundant in crops, at lower levels. A. June-Sept.

First record, *Pilkington*, 1789.

C. Horsley; Near Dale, *Hassé, C.D.* About Eckington, *Waterfall.* S. Normanton, *Pilkington.* Beighton.

P. Houghton.

T1. Mickleover, *Painter, Nat*$_{t}$. Ravensdale Park, Mugginton; Shirley. Allestree, *Pilkington.*

T2. Near Breadsall, *Smith MSS.* Morley, *Hassé, C.D.* Normanton, *Painter, J.B.*

T3. Calke, *Bloxam.* Near Egginton, *Rept. F. & F.* Drakelow; Swarkeston, *Painter, J.B. & Nat*^{t}. Repton; Milton, *Wild Fl. Rept.*

C. Leucanthemum *L. Ox-eye Daisy. Moon-daisy.*

Native. B. Fields, waysides, banks. Common. P. May-July.

First record, *Pilkington*, 1789.

"Common up to 450 yards in Goyt's Clough," *Baker, J.B.* "A form with many heads to a stem, and more deeply cut leaves," Whatstandwell, *B. & N., J.B.* "In crevices of the limestone rocks, as well as frequent in grassy places, Dovedale," *Purchas, J.B.*

***C. Parthenium** *Pers. Feverfew. Matricaria Parthenium* L.

Denizen. BE. Banks, waste places, walls. Not common. P. June-Aug. First record, *Pilkington*, 1789.

L. Dovedale; Matlock; quarry at Tideswell, an escape, *Baker, J.B., and B. & N., J.B.* Miller's Dale, *Purchas.* Middleton Dale, *Pilkington.*

G1. Mellor, *Fl. Ashton.* Chapel Reservoir.

G2. Bramley, Hassop, *Painter, J.B.* Ashover Hay.

C. Duckmanton, *Waterfall.* Wingfield, *Drabble.* Stanton-by-Dale, *Hassé, C.D.* Unthank; Walton.

T1. S. of Dalbury, an escape; Boylestone. Mackworth, *Pilkington.*

T2. Morley, *Hassé, C.D.* Breadsall, *Crewe & Whittaker.* Long Eaton.

T3. Newton Solney; Swarkeston, *Painter, J.B.* On an old wall at Ticknall, *Purchas, J.B.* Anchor Church, *Wild Fl. Rept.*

MATRICARIA *L.*

M. inodora *L.*

Native. B. Arable land, waste ground, roadsides. Frequent. A. June-Oct.

First record, *Pilkington*, 1789. *Chamomile Goldins.*

L. Matlock; cultivated ground up to 300 yards, *B. & N., J.B.*

G1. Chapel-en-le-Frith, *Rogers.* Bamford Station.

G2. Baslow, *Painter, J.B.* Rowsley, *Rogers.* Kelstedge.

C. About Renishaw, *Waterfall.* Marehay, near Ripley; Beighton; Eckington; near Linacre House, Brampton.

T1. Etwall, *Hb. Mason!* Norbury, *Purchas.* Mickleover, *Painter, Natt.* Shirley; Sudbury; Doveridge Woodhouse.

T2. Breadsall, &c., *Crewe & Whittaker.* Morley, *Painter, J.B.* Risley Park; Long Eaton.

T3. Calke, *Purchas, J.B.* Burton-on-Trent; Swarkeston, *Painter, J.B. & Natt.* Between Repton and Milton, *Wild Fl. Rept.* Egginton Common.

M. Chamomilla *L. Wild Chamomile.*

Colonist or Native? E. Arable land, waysides. Frequent. A. July-Sept.

First record, *Pilkington*, 1789.

G2. Ambergate, *Milnes, C.D.*

C. Near Norton, *The Naturalist.* About Renishaw, *Waterfall.* Chesterfield, *Milnes, C.D.* Killamarsh; Kirk Hallam. Brampton, *Pilkington.*

P. Whitwell, near the Walls.

T1. Mickleover, *Painter, Natt.* Allestree; Mammerton, Longford; Church Broughton; Marston-on-Dove; Scropton; near Findern.

T2. Near Trent Station; Long Eaton; Great Wilne.

T3. Calke, *Purchas, J.B.* Drakelow, *Hb. Mason!* Repton, *Rept. F. & F.*

*M. discoidea *DC.*

Casual. Waste ground about villages, roadsides. An American species, now widely spread in Great Britain.

G1. By Barber Booth, Edale, casually on waste ground (name given me by Mr. S. T. Dunn).

T1. About Hilton; near Cubley, *B.E.C. Rep.*, 1897, 521.

T3. Abundant in several places in and about Egginton, growing with *M. Chamomilla*, compared with which it is much shorter, and of a distinct and more bushy habit.

TANACETUM *L.*

T. vulgare *L.* *Tansy.*

Native. BE. Riverbanks, roadsides, waste places, Local. P. July-Sept.

First record, *Pilkington*, 1789.

L. Between Matlock Bath and Bonsall, *Rouland, C.D.* Banks of the R. Derwent, Matlock, *B. and N., J.B.* Via Gellia, *Rogers.*

G1. Near one of the sources of the Wye, below Nithing End, *Jewitt.* Whitehough, near Chinley; Edale; Hathersage.

G2. By the Cromford Canal, *Rogers.* Ambergate, *Gibbs.* R. Derwent, near Little Eaton; N.W. of Kirk Ireton; Belper.

C. Bank of R. Rother, near Renishaw, *Waterfall.* Beighton, *The Naturalist.* Eckington. Horsley Castle; Pinxton, *Pilkington.* Remarkably abundant in this division.

T1. Main road, Cubley; Eaton Wood; lime quarries, Snelston; Marston-on-Dove; Tutbury Station; Sudbury. Mackworth, *Pilkington.*

T2. Breadsall, &c., *Crewe & Whittaker.* Thrumpton Ferry; canalside near Chaddesden; Sawley; Great Wilne.

T3. Between Milton and Foremark, possibly an escape, *Purchas, J.B.* Anchor Rocks, *Rept. F. & F.* Milton; Repton, *Hagger, C.D.* Egginton, *Painter, J.B.* Willington, *Wild Fl. Rept.*

ARTEMISIA *L.*

A. Absinthium *L.* *Wormwood.*

Denizen. EB. Waste ground, roadsides. Rare. P. July-Sept.

First record, *Pilkington*, 1789.

L. At nearly 350 yards, near a farmhouse, above Miller's Dale Station, *Rogers, J.B.*

G2. Banks of R. Derwent, Cromford, *Milnes, C.D.* Dethick, *Pilkington.*

C. Horsley Castle, *Pilkington.*

T1. Mackworth; Mickleover, *Pilkington.*

T2. Alvaston, *Pilkington.*

T3. Egginton, *Rept. F. & F.*

A. vulgaris *L.* *Mugwort.*

Native. B. Fields, hedges, waste ground. Frequent. P. July-Sept.

First record, *Pilkington*, 1789.

L. Buxton, very luxuriant at 350 yards, but only in gardens, *Rogers*, *J.B.* Frequent about Matlock, *B. & N.*, *J.B.* Ashwood Dale, *Waterfall!* Very scarce on the limestone, wholly absent from Dovedale and its immediate neighbourhood; near Ashbourne, *Purchas*, *J.B.* Pin Dale, near Castleton; Hope; near Ashford; Stony Middleton.

G1. Dinting; New Mills; by L. & N. W. Station, Chapel-en-le-Frith.

G2. Below Hathersage; Beeley; near R. Derwent, above Allestree.

C. Near Dore; by canal near Shipley Gate; Freebirch, Old Brampton.

P. Cresswell, *The Naturalist.* Langwith.

T1. On the New Red Sandstone, east of Ashbourne, *Purchas*, *J.B.* Clifton, *Smith MSS.* Mickleover, *Painter*, *Nat^t.* Shirley; Barton Blount; about Tutbury Station.

T2. Spondon Station, *Smith MSS.* Banks of canal and R. Derwent, Breadsall, *Crewe & Whittaker.* Canalside near Chaddesden; near Thrumpton Ferry; Sawley; Great Wilne.

T3. Between Milton and Anchor Church, *Wild Fl. Rept.* Burton-on-Trent, *Painter*, *J.B.*

TUSSILAGO *L.*

T. Farfara *L.* *Coltsfoot.*

Native. B. Fields, banks, waste ground. Common. P. March-April.

First record, *Pilkington*, 1789.

Abundant everywhere. "Common up to 500 yards," *Baker*, *J.B.*

PETASITES *L.*

***P. fragrans** *Presl.*

Casual. P. March.

T3. Near Burton-on-Trent, *Hb. Mason!*

P. officinalis *Mœnch.* *Butter-bur.* *P. vulgaris* Desf. *P. hybrida* Hook., the female plant.

Native. BE. Damp ground by streams or woods. Frequent. P. April-May.

First record, *Pilkington*, 1789. *Tussilago petasites.*

"Abundant in the Wye Valley up to Buxton, 300 yards," *Baker*, *J.B.*

Female plants common at Matlock Bath and in Miller's and Chee Dales, *Carr.*

DORONICUM *L.*

***D. pardalianches** *L.* *Leopard's Bane.*

Alien. *Glover*, 1829.

L. Wormhill, *West*, *C.D.* About the old walls near Haddon Hall, *Glover.* Matlock Bath, *Gem of the Peak.*

G2. Woods near Ashover, *Bailey*, *B.L. Rec.*, 1881-2, 242.

SENECIO *L.*

S. vulgaris *L.* *Groundsel.*

Native. B. Cultivated and waste ground. Very common. A. Jan.-Dec.

First record, *Pilkington*, 1789. *Simson.*

"An abundant weed up to 450 yards," *Baker*, *J.B.*

S. silvaticus *L.*

Native. B. Hedgebanks, heathland, wood borders; "avoids limestone," *Purchas.* Not uncommon. A. July-Sept.

First record, *Glover*, 1829.

G1. Ridge Hall, Chapel-en-le-Frith ; Bamford Station.

G2. On coarse Millstone Grit about Birchover and Stanton, notably at Robin Hood's Stride, *Purchas*, *J.B.* Firestone Hill, near Hazelwood.

C. About Renishaw, scarce, *Waterfall.* Breadsall Moor, *Crewe & Whittaker.* Dronfield; Mosbrough; Salter Wood, near Ripley; West Hallam; Brierley Wood, Unstone; Shirland; Dale.

T1. Mickleover; Findern, *Painter*, *Nat*^{t}. South of Atlow Ridge Lane; Yeaveley; Cubley Common; by Allestree Park; Church Broughton; Hilton; Little Derby.

T2. Risley Park; roadside, Elvaston.

T3. Melbourne, *Purchas*, *J.B.* Foremark Bottoms, *Gibbs.* Calke, *Bloxam.* Willington, *Painter*, *J.B.* Near Repton Rocks, *Wild Fl. Rept.* Egginton Common.

***S. viscosus** *L.*

Casual. GB. Waste ground, railway banks. Rare. A. July-Sept.

First record, *Glover*, 1829.

C. Cotmanhay, *Watson's N.B.G.* Colliery debris near Dronfield; colliery line between West Hallam and Mapperley.

S. erucifolius *L.* *S. tenuifolius* Jacq.

Native. E. Banks, roadsides, wood borders. Frequent. P. July-Sept.

First record, *Pilkington*, 1789.

L. Roadside between Tissington and the Peveril Inn, Dovedale, *B. & N.*, *J.B.* Buxton, *Buxton Guide.* Ashwood Dale, *Waterfall.* Matlock Bridge, *Painter*, *J.B.* Pin Dale, near Castleton.

G1. Roadside near Higher Crossings, Chapel-en-le-Frith.

G2. Great Longstone; between Hassop and Baslow; Fallgate, Ashover.

C. Near Totley, on the Sheffield Road, *Hb. Salt.* Bank of Haythorne, between Eckington and Staveley, *Waterfall.* Mapperley; Loscoe; Belmont, Old Brampton; Hucknall; Barlborough.

P. Bolsover; Pleasley.

T1. Mickleover; Kirk Langley; Church Broughton, *Gibbs.* Wardley, near Marston Montgomery; Cubley Common; Slack Lane, Brailsford; Eaton Wood; Sudbury; Hoon, Allestree, *Pilkington.*

T2. Sandiacre.

T3. White Hollows, Ticknall; usually shows a preference for limestone, but there it grows on the yellow coal-measure clay soil, ***Purchas, J.B.*** Repton, *Wild Fl. Rept.*

S. Jacobæa *L.* *Ragwort.*

Native. B. Roadsides, fields, commons. Common. P. July-Sept.

First record, *Pilkington*, 1789.

Generally distributed. "Common up to 500 yards," *Baker, J.B.*

Var. *flosculosus* (Jord.)

L. Via Gellia, *Nowers.*

S. aquaticus *Huds.*

Native. B. Ditch sides, marshes, meadows. Common. P. July-Sept.

First record, *Pilkington*, 1789.

Generally distributed.

***S. saracenicus** *L.*

Alien. Perhaps the remains of cultivation.

G2. Near Chatsworth, *Watson's N.B.G.*

C. Between Chesterfield and Sheffield, *Bot. Guide.*

CARLINA *L.*

C. vulgaris *L.* *Carline Thistle.*

Native. EB. Dry grassy slopes, especially on limestone. Local. B. July-Aug.

First record, *Pilkington*, 1789.

L. Wormhill, 350 yards, *West, J.B.* Dovedale; Matlock Tor, *B. & N., J.B.* Diamond Hill, Buxton, *Rogers.* Blackwell Dale, *Painter, J.B.* Long Dale; Brassington Rocks, *Gibbs.* Bonsall, *Crewe & Whittaker.* Coomb's Dale, near Calver; Longstone Edge; Dam Dale, Peak Forest. Middleton Dale, *Pilkington.*

G1. "400 yards at Burbage," *Baker, J.B.* Axe Edge, *Painter, J.B.* Kinderscout, *Fl. Ashton.*

G2. Roadside near Robin Hood's Inn, east of Baslow; Ambergate.

P. Belph Moor, near Whitwell, and stone quarry, Whitebrick Moor; Steetley Quarry.

T1. Hillside by Old Cover, Mugginton.

T3. Ticknall Quarry, *Rept. F. & F.*

ARCTIUM *L.*

A. majus *Bernh. Burdock.* Top. Bot. "Kirk ms."

Native. E. Waste places, field borders. Very rare. B. Aug.-Sept.

First record, *Crewe & Whittaker*, 1864.

G1. Mellor, *Fl. Ashton.*

T2. Breadsall, *Crewe & Whittaker.*

T3. Repton, *Rept. F. & F.*

A. nemorosum Lej. Top. Bot. 240. *A. intermedium.* Top. Bot. 239.

Native. *E.* Copses, wood borders, dales. Rare. B. July-Sept.

First record, *Eng. Bot. 3rd Ed.*, 1866.

L. "Prof. Babington has seen what is apparently the same plant (*nemorosum*) from Hope in Derbyshire," *E.B.* Lathkil Dale; Longstone Edge.

T1. Brick kiln Copse, by main road above Shirley.

A. minus *Bernh. Lesser Burdock.*

Native. B. Roadsides, woods, waste land. Frequent. B. July-Sept.

First record, *Pilkington*, 1789. *A. Lappa.*

L. Miller's Dale, up to 250 yards, *Baker, J.B.* Dovedale; Matlock, *B. & N., J.B.* Ashwood (300 yards) and Monsal Dale; The Winnatts, Castleton, *C.D.* Lathkil Dale, *Searle, C.D.* Ashford.

G1. Ashopton; near Yorkshire Bridge.

G2. Strine's Wood, Cromford, *Bailey, C.D.* Abney; Calver; between Hassop and Baslow.

C. About Renishaw, *Waterfall.* Barlborough Low Common and Barlborough; Marehay, near Ripley.

P. Palterton; Cresswell Crags; Langwith Wood.

T1. Littleover; Radbourn, *Bindley.* Cross o' th' Hands, Hulland Ward; Sinfin Moor; Cubley Brook; Marston Montgomery; Sapperton; Etwall; Egginton Station.

T2. Sandiacre.

T3. Woods, Calke, *Purchas, J.B.* Burton, *Hb. Mason.* Repton (*A. Lappa*), *Wild Fl. Rept.*

CARDUUS *L.*

***C. tenuiflorus** *Curt.*

Casual?

Castleton, *Hb. Salt*, 1801.

C. nutans *L. Nodding Thistle. Musk Thistle.*

Native. E. Hedge-banks, waysides, field borders. Frequent. B. June-Aug.

First record, *Pilkington*, 1789.

L. Wormhill, 400 yards, *West, J.B.* Diamond Hill; Monsal Dale to Miller's Dale, *Rogers.* Matlock, *Crewe & Whittaker.* Near Bradbourn, *Purchas.* The Winnatts, Castleton; Longstone Edge; Bradwell; Great Hucklow.

G1. Common up to 500 yards [Buxton], *Baker, J.B.* Near Glossop, *Buxton's B.G.* Fernilee, as a casual, *Barker.* Chinley.

C. Breadsall Moor, *Crewe & Whittaker.*

P. Cresswell; Markland Grips, *Gibbs.* Bolsover; Whitwell; Scarcliff Park Wood.

T1. Near Bradley Park; Shirley.

T2. Thrumpton Ferry; Sandiacre.

T3. Calke, *Purchas, J.B.* Near Repton Shrubs, *Gibbs.* Drakelow, *Hb. Mason!* Near Milton, *Wild Fl. Rept.*

C. crispus *L. Welted Thistle.*

Native. BE. Hedges, roadsides, waste ground. Frequent. B. June-Oct.

First record, *Pilkington*, 1789.

L. Ascends to 400 yards above Castleton, *Baker, J.B.* Lover's Leap, Buxton; Miller's Dale to Monsal Dale; Haddon Hall, *Rogers.* Ashford; Pin Dale.

G1. Edale to Hope, roadside, and about Hope.

G2. Shatton; near Great Hucklow; near the Derwent, above Allestree; Ashover.

C. Beighton; near Park Hall, Barlborough; Sutton Scarsdale.

P. Bolsover.

T1. Etwall; Boylestone, *Gibbs.* Sudbury; Tutbury Station; Marston-on-Dove; Norbury; near Eaton Wood; Snelston Common; Ashbourne.

T2. Near Trent Station and Thrumpton Ferry; about Sawley; Long Eaton.

T3 Stapenhill, *Gibbs.* Near Milton, *Wild Fl. Rept.* Repton towards Willington, *Rept. F. & F.* Drakelow.

Var. **acanthoides** *L. Jewitt*, 1811.

L. Ashwood Dale; Castleton, *Painter, J.B. & C.D.*

G2. Near the Derwent, above Allestree.

T1. Clifton, *Smith MSS.*

T2. Weston Cliff, *Hassé, C.D.*

T3. About Calke, *Purchas, J.B.*

Hybrid. × *nutans* (*Newbouldi* H.C. Wats.).

L. Cressbrook Dale, east side, *Linton!* Via Gellia, *Drabble.*

CNICUS *L.*

C. lanceolatus *Willd. Spear Thistle.*

Native. B. Fields, waysides, waste ground. Common. B. July-Nov.

First record, *Pilkington*, 1789.

Abundant everywhere. "Common up to 500 yards," *Baker, J.B.*

C. eriophorus *Roth. Woolly-headed Thistle.* Top Bot., "Howitt Cat."

Native. EG. Waste ground, hedge-banks, pastures, preferring limestone. Rare. B. July-Sept.

First record, *Bot. Guide*, 1805.

L. Via Gellia; Cromford, *Watson's N.B.G.* Thorpe, *Bot. Guide.* Buxton, *Buxton Guide.* About the zigzag walk at Matlock Bath, *Sm. Eng. Fl.* Coomb's Dale, near Calver; Hassop Mines, abundant.

G1. Dry pastures near Low Leighton, *Bot. Guide.*

G2. Stanton Moor, *Hassé, C.D.*

T3. Calke, *Bloxam.* On one occasion near Drakelow, *N.H. Tutb.*

C. palustris *Willd. Marsh Thistle.*

Native. B. Marshy fields, damp woods, roadsides. Common. A. or B. June-Sept.

First record, *Pilkington*, 1789.

Generally distributed and plentiful. "Ascends up to 450 yards," *Rogers.*

C. pratensis *Willd.*

Native. E. Marshy meadows. Local and rare. P. June-Aug.

First record, *Glover*, 1829. Also *Buxton Guide*, 1854.

L. Buxton, *Buxton Guide.*

T1. Findern; Radbourn, *Painter, Natt.* Mickleover, *Bindley.* Ashbourne, *Hb. Mason!*

T3. Low Meadows adjoining Willington Junction, *Rept. F. & F.* Willington, *B.E.C. Rep.*, 1894, 452.

C. heterophyllus *Willd. Melancholy Thistle.*

Native. SH. Damp parts and woodland of limestone dales, rare elsewhere. Locally abundant. P. July-Sept.

First record, *Jewitt*, 1811. *Carduus helenioides.*

L. Monk's Dale, 350 yards, *West, J.B.* Lover's Leap, Buxton, *Bailey, C.D.* Diamond Hill, *Rogers.* Wormhill, *Drabble.* Taddington, *Glover.* Cressbrook Dale; Monsal Dale, *C.D.* Dovedale; Beresford Dale, *Purchas, J.B.* Brassington, *Gibbs.* At Burbage, mixed with *Parnassia, Baker, J.B.* Lathkil Dale; Grin Woods.

G1. Corbar Wood, *C.D.* Cornfield near Combes Moss, *Watson's N.B.G.* Malcoff, near Chapel-en-le-Frith, and at Slackhall.

C. acaulis *Willd. Dwarf Thistle.*

Native. EG. Dry pastures, only on limestone. Rare. P. July-Sept.

First record, *Glover*, 1829.

L. Wolfscote Hill, *Miss A. Purchas.*

P. Cresswell, *The Naturalist.* Elmton; Markland Grips.

C. arvensis *Hoffm. Common Thistle.*

Native. B. Fields, roadsides, waste ground. Very common. P. July-Sept,

First record, *Glover*, 1829.

"Common up to 500 yards," *Baker, J.B.*

ONOPORDON *L.*

O. Acanthium *L. Cotton Thistle. Argentine.*

Denizen. E. Waste ground, roadsides. Very rare. B. July-Sept.

First record, *Glover*, 1829.

T1. Bentley Hall, near Cubley, *Goodall.*

T3. Repton, on the Burton Road, *Wild Fl. Rept.*

MARIANA *Hill.*

M. lactea *Hill. Milk Thistle. Silybum Marianum* Gærtn. *Carduus Marianus* L.

Denizen. Waste ground, roadsides. Very rare. B. June-July.

First record, *Glover*, 1829.

T1. Mickleover, on cultivated ground, *Painter, Natt.*

T3. Near Repton, *Hagger, C.D.* Walton, *N.H. Tutb.*

SERRATULA *L.*

S. tinctoria *L. Saw-wort.*

Native. E. Woods, copses, waysides, railway banks. Locally plentiful. P. July-Aug.

First record, *Pilkington*, 1789.

L. Monk's Dale, 350 yards; Matlock, *West, J.B.* Miller's Dale, *Rogers, J.B.* Buxton, *Painter, J.B.* Bakewell, *Milnes, C.D.* Near Grange Mill; Brassington Rocks; bank between Scow Brook and Kirk Ireton.

C. Hedge near Norton Lees, *Hb. Salt.* Hasland; Calow, *Drabble.* Horsley Gate; south of Coal Aston; east of Totley; Fritchley.

P. Harlesthorpe, near Clowne.

T1. Burnaston, *Painter, Natt.* Peathays, Shirley; Yeldersley Rough; near the Spread Eagle Inn, Findern; Mickleover.

T2. Breadsall; rare, *Whittaker, Phyt.* Ockbrook, *Smith MSS.*

T3. Repton Shrubs, *Painter, J.B.* Etwall Road, Repton, *Hagger, C.D.*

Var. *monticola* (Bor.).

L. Ashwood Dale, *Waterfall.*

C. At Parkhall Woods, Renishaw, with the type, *Waterfall.*

CENTAUREA *L.*

***C. Jacea** *L. Black Knapweed.*

Casual.

C. Pinxton, *Pilkington*, 1789.

C. nigra *L. Knapweed. Hardhead.*

Native. B. Fields, roadsides, banks. Common. P. June-Sept.

First record, *Pilkington*, 1789. *Hardirons.*

Abundant everywhere. "Common up to 450 yards in Goyt's Clough," *Baker, J.B.* "A form approximating towards *C. decipiens* is found in dry places near Matlock," *B. & N., J.B.*

Var. *decipiens* (Thuill.) *H. nigrescens* Pab.

T3. The Royle Farm, Cauldwell, *N.H. Tutb.*

C. Scabiosa *L.* *Great Knapweed.* *Matfellon.*

Native. BE. Banks, hedgesides, arable land. Somewhat local. P. July-Sept.

First record, *Pilkington*, 1789.

L. Common up to 350 yards, *Baker, J.B.* Ashwood Dale; Topley Pike; Cressbrook Dale; Dovedale, *Painter, J.B.* Wormhill; Matlock, *West, J.B.* Brassington Rocks, white flowered, *Purchas, J.B.* Hartington, *Bindley.* Dale Head, near Wheston.

G2. Great Longstone.

C. Barlborough.

P. Bolsover; Clowne; Cresswell Craggs; Upper Langwith. Pleasley, *Pilkington.*

T1. Hulland; lane north of Edlaston Lodge.

T2. Morley, *Crewe & Whittaker.*

T3. Ticknall Quarry, *Purchas, J.B.* Repton, *Wild Fl. Rept.*

C. Cyanus *L.* *Bluebottle.* *Cornflower.*

Colonist. B. Cornfields, waste ground. Not common. A. July-Sept.

First record, *Pilkington*, 1789.

L. Grange Mill, *Rowland, C.D.*

G1. Field near Bamford, perhaps casual, *Gibbs.*

C. Intake, The Hague, Renishaw, *Waterfall.* Ferriby Brook, Morley, *Crewe & Whittaker.*

T1. Fields at Wyaston and Darley Moor, *Miss Sandford.* Fields adjoining Yeldersley Lane.

T2. Breadsall, cornfields, *Crewe & Whittaker.* Spondon, *Pilkington.*

T3. Calke, *Bloxam.* Brizlincote, *N.H. Tutb.* Repton, *Wild Fl. Rept.*

CICHORIUM *L.*

C. Intybus L. *Chicory.* *Wild Succory.*

Denizen. E. Fields, waste places, roadsides. Local and rare. P. July-Sept.

First record, *Pilkington*, 1789.

C. Spital, Chesterfield, *Drabble.*

P. Clowne, *Pilkington.*

T1. Clover fields [Osmaston-by-Ashbourne neighbourhood], *Smith MSS.* Fields above Shirley Vicarage.

T2. Near Hopwell Hall, *Smith MSS.* Breadsall, very rare, *Whittaker, Phyt.* Sawley, a single plant found, *Atkinson, C.D.* In the road leading to Swarkeston Bridge, *Glover.*

T3. At the Dimminsdale Lime-yard, Calke, evidently a casual, *Purchas, J.B.* Breach Farm, Cauldwell, *N.H. Tutb.* Repton, *Wild Fl. Rept.* Only once found, *Hagger, C.D.*

LAPSANA *L.*

L. communis *L.* *Nipplewort.*

Native. B. Hedge-banks, waysides, waste ground. Common. A. June-Aug.

First record, *Pilkington*, 1789.

Generally distributed. "Frequent up to 400 yards over Castleton," *Baker, J.B.*

PICRIS *L.*

P. hieracioides *L.* *Hawkweed Ox-tongue.*

Native. E. Waysides, hedge-banks, waste ground; especially on limestone and dry soils. Local. P. June-Oct.

First record, *Glover*, 1829.

L. Ashwood Dale; Taddington Wood, 200-300 yards, *Baker, J.B.* Miller's Dale, Cressbrook Dale; Dovedale, *Painter, J.B.* Matlock, frequent, *B. & N., J.B.* Brassington Rocks, *Gibbs.* Ashford to Fin Cop; between Sandybrook and Thorpe.

G2. Fallgate, Ashover.

C. Press; Barlborough.

P. Langwith, *Drabble.* Bolsover; Palterton.

T2. Chellaston, *Painter, Nat^t.* Near Ockbrook, *Hassé, C.D.* Breadsall, *Crewe & Whittaker.* Sandiacre.

T8. Near the Ashby Lodge, Calke, *Purchas, J.B.* Stapenhill, *N.H. Tutb.* Newton Solney, *Painter, J.B.* Repton, *Wild Fl. Rept.*

P. echioides *L.* *Ox-tongue.* *Helminthia echioides* Gærtn.

Native. E. Hedges, field borders, waysides. Local and rare. B. July-Sept.

First record, *Whittaker*, 1847.

L. Near Winster, *Milnes, C.D.*

T2. Roadside near the windmills at Chellaston, *Purchas.* Breadsall, *Whittaker, Phyt.*

T3. Between Stapenhill and Cauldwell, *N.H. Tutb.* Repton, *Wild Fl. Rept.*

CREPIS *L.*

C. taraxacifolia *Thuill.*

Colonist. G. Cultivated land. Rare. A. or B. June-Aug.

First record, *Crewe & Whittaker*, 1864.

L. Matlock, *Crewe & Whittaker.*

T1. Burnaston, *Bindley.* Fields adjoining Yeldersley Lane; fields between Bradley Smithy and Bradley Park.

T2. Fields at Shardlow.

C. virens *L.* *Hawk's Beard.*

Native. B. Fields, banks, waste places, waysides. Common. A. or B. June-Sept.

First record, *Pilkington*, 1789. *C. tectorum.*

Generally distributed. "Common up to 450 yards," *Baker, J.B.*

***C. nicæensis** *Balb.*

Casual. Occasionally in fields, or on banks.

C. Railway bank of the Great Central, Renishaw.

T1. Fields adjoining Yeldersley Lane, *B.E.C. Rep.*, 1889, 263.

C. biennis *L.*

Colonist or Casual. G. Fields, banks. Rare. B. July-Aug.

First record, *Buxton Guide*, 1854.

L. Buxton, *Buxton Guide.*

G1. Barmoor Clough, *Barrow.*

C. Railway banks of the Great Central, Renishaw.

T1. Burnaston, *Painter, Nat^t.* Fields adjoining Yeldersley Lane.

T2. Breadsall, *Crewe & Whittaker.*

C. paludosa *Mœnch.* *Marsh Hawk's Beard.*

Native. SH. Marshy places, moist copses, brook banks. Rather rare and local. P. July-Aug.

First record, *Bot. Guide*, 1805. *Hieracium paludosum.*

L. Wye Valley up to Buxton, 300 yards, *Baker, J.B.* Grin Plantation, Buxton, over 350 yards, *Rogers.* Meadows near the town of Castleton, *Bot. Guide.*

G1. Near the source of the Dove, and I think on the Derbyshire side of the stream, but ceasing when the limestone is reached, *Purchas, J.B.* Stirrup Wood, *Fl. Ashton.* Near Westend Farm, *Gibbs.* Near Rowarth; R. Sett, south of Hayfield; Combes Moss; Edale; near the Snake Inn.

G2. Ramsley Moor, above Baslow, near Fox Lane Plantation.

C. Bog near Dore, *The Naturalist.* Coxbench, *Watson's N.B.G.* Horsley Carr, *Crewe & Whittaker.*

T1. In marshy fields, frequent [Osmaston-by-Ashbourne neighbourhood], *Smith MSS.* Meadows between Shirley Mill and Wood; Ash Cover, Bradley Brook.

HIERACIUM *L.*

H. Pilosella *L.* *Mouse-ear Hawkweed.*

Native. B. Banks, dales, dry pastures, walls. Common. P. May-Aug.

First record, *Pilkington*, 1789.

Very general through the County. "Common up to 500 yards," *Baker, J.B.* "Especially prevalent on the limestone," *Purchas, J.B.* Abundant on the magnesian limestone.

Var. *pilosissimum* Wallr. *H. Peleterianum* Mer.

L. Dovedale, *Borrer in E.B. Ed.* iii., 1866. The same form is noticed by Mr. Purchas, *B.E.C. Rep.*, 1887, 184.

*H. dubium *L.* Excluded species, *E.B. Ed.* iii., 1866.

Alien or Casual.

C. Coxbench Wood, *Pilkington*, 1789.

*H. aurantiacum *L.* Alien.

C. In an old Cemetery at Staveley, *Drabble.*

H. lasiophyllum *Koch.*

Native. *H.* Rocky ledges among hills. Rare. P. July-Aug.

First record, *The Flora.*

G1. Allport Castles, Allport Dale, 1893.

Var. *planifolium* F.J. Hanb.

L. Wall Cliff, Tideswell; Tideswell Dale.

(*H. argenteum* Fr. *J.B.*, 1889, 179, and C.D., was an error).

H. britannicum *F.J. Hanb.*

Native. *I.* Limestone crags and cliffs. Locally abundant. P. May-July.

First record, *Sm. Eng. Fl.*, 1825; also *Painter, J.B.*, 1881, 249. *H. cæsium.*

L. Limestone cliffs of Ashwood Dale, 300-350 yards, *Baker, J.B.* Chee Tor; Litton Dale; Monk's Dale, *Ley.* Blackwell Dale; Monsal Dale, *Whitelegg, C.D.* Topley Pike, *Hb. Carr.* Dovedale, *Purchas.* Walls of Castle, Castleton, *Sm. Eng. Fl.* (*H. murorum*). Dale Head, near Wheston; Bee Low, Peak Forest; Bradwell; Great Rocks Dale; crags at Parkhouse Hill.

G1. Near the summit of Back Tor, Edale.

H. rivale *F.J. Hanb.* Var. subhirtum *F.J.H.*

Native. *H.* Mountain rocks. Rare. P. June-July.

First record, *The Flora.*

L. Above Kingsterndale, *Ley.* Great Rocks Dale, near Buxton.

H. cymbifolium *Purchas.*

Native. *IL.* Limestone dales. Rare. P. June-July.

First found, *Ley*, 1887; first record, *B.E.C. Rep.*, 1890, 304 (*H. cæsium* var. *Smithii*); *J.B.*, 1899, 421.

L. Dovedale, *Ley.* Chee Dale, *Hb. Hanb.* Cunning Dale, Ashwood Dale, and Great Rocks Dale, near Buxton; Topley Pike; Monsal Dale; Ravensdale, and Tunsley Dale, near Litton; Conies Dale, Peak Forest; Kingsterndale.

H. silvaticum *Gouan. H. murorum L.* β. *silvaticum.*

Native. B. Rocks, banks, walls. Locally plentiful. P. June-Aug.

First record, *Pilkington*, 1789.

L. Great Rocks Dale.

C. Pinxton, *Pilkington.*

T1. Derby, *Pilkington.*

T3. Cricketfield walls, Repton, *Wild Fl. Rept.*

Var. *micracladium* Dahlst.

L. Great Rocks Dale.

Var. *lepistoides* Johanss.

L. Priestcliffe Lees, High Field, *Purchas.* Ashwood Dale; Topley Pike, *J.B.* 1893 (v. *ciliatum*). Miller's Dale, *Searle, C.D.* (*H. murorum*). High Tor, near Matlock Bridge; by the Colour Works, Matlock Bath, *Carr.* Tunsley Dale, near Litton; Beresford Dale.

Var. *sanguineum* Ley.

L. Great Rocks Dale (f. *A. Ley*).

H. rubiginosum *F.J. Hanb. H. vulgatum* var. *rubescens* Backh.

Native. *I.* Limestone rocks. Rare. P. June-Aug.

First found, *Ley*, 1887; first record, *Painter, J.B.*, 1889.

L. Ashwood Dale, *Ley!* Blackwell Dale, *Painter, Nat^t.* Cressbrook and Tunsley Dales; roadside below Litton.

H. holophyllum *W.R. Linton.*

Native. *L.* Limestone dales. Rare. P. June-Aug.

First found, *Purchas*, 1881; first record, *J.B.*, 1890.

L. Rocks near the road between Buxton and Miller's Dale, *Linton, J.B.*, 1893 (*ciliatum*). Cressbrook Dale; Conies Dale; Peak Forest; Dovedale; Harborough Rock; Great Rocks Dale.

H. vulgatum *Fr. Hawkweed.*

Native. B. Banks, rocks, walls. Frequent but local. P. June-Sept.

First record, *Glover*, 1829. *H. silvaticum.*

L. Matlock, up to 350 yards, *B. & N., J.B.* Dovedale, *Purchas, J.B.* Miller's Dale, *West, J.B.* Buxton, *Rogers.* Monsal Dale, *C.D.* Litton; Harborough Rock; Great Rocks Dale.

G1. Ascends to 450 yards in Goyt's Clough, *Baker, J.B.* R. Sett, south of Hayfield; Edale; Jagger's Clough.

G2. Baslow; Belper.

C. Dale, *Hassé, C.D.* Calow, near Chesterfield.

T1. Dalbury; Mickleover, *Painter, Nat^t.* Heath at large pool by the railway below Findern.

T2. Breadsall, *Crewe & Whittaker.* Morley, *Hassé, C.D.*

T3. Anchor Church, *Purchas, J.B.* Near Calke, *Watson's N.B.G.* Repton, *Wild Fl. Rept.*

H. diaphanoides *Lindeb.*

Native. *HS.* Rocks and banks among mountains. Rare. P. June-Aug.

First record, *B.E.C. Rep.*, 1890, 264.

L. Chee Tor, *Ley in B.E.C. Rep. for* 1889. Harborough Rock; Dovedale.

G1. Back Tor, Edale.

G2. Owler Bar, *Gibbs.*

H. diaphanum *Fr.*

Native. Banks, rocks. Rather rare. P. June-Aug.

L. Chee Dale, Chee Tor.

Var. *glaucovirens* Dahlst.

L. Miller's Dale; Monk's Dale; Monsal Dale; Cressbrook Dale; Conies Dale, Peak Forest; The Winnatts, Castleton; Wall Cliff, Tideswell.

G1. Castle Rocks, Allport Dale; ridge near Chinley Churn.

H. sciaphilum *Uechtr.*

Native. *BE.* Hedge banks, waysides, woods, rocks. Frequent. P. June-Aug.

First record, *B.E.C. Rep.*, 1891, 304.

L. Buxton, *Painter*, *Nat*^{t}. Dovedale (*H. orarium*), *J.B.*, *1891*, 273. Bradford Dale; Youlgrave; Earl Rake, Bradwell; Pin Dale, near Castleton; Ashford; Great Rocks Dale; High Rake; Great Hucklow; between Scow Brook and Kirk Ireton.

G1. Woodlands, beyond Snake Inn, *Gibbs.* Railway banks and copses near Charlesworth; Edale; Hathersage; Chinley; Chapel-en-le-Frith.

G2. Abney, Shatton; White Edge Moss; Grindleford Bridge; near Fox House Inn; Stanton.

C. West Hallam; Coal Aston; Codnor Castle; Parkhall Woods, near Westthorpe; Wilday Green, Barlow; Dale; New Stanton.

P. Cresswell, *Gibbs.* Houghton; Langwith Wood.

T1. Shirley; Brailsford Park; Rodsley; north of Cubley; Edlaston to Ashbourne; Church Broughton; Hatton; Egginton Station.

T2. Risley Park.

H. rigidum *Hartm.* Var. scabrescens *Johanss.*

Native. Roadsides, rocky slopes and banks. Rare. P. July-Sept.

First record, *The Flora.*

L. Harborough Rock.

G1. Railway bank, Chapel-en-le-Frith, near the L. & N.W. Station.

T1. Roadsides near The Pastures, Edlaston.

Var. *tridentatum* (Fr.) *H. tridentatum* Fr.

Native. E.

L. Ashwood Dale, *C.D.*

G1. Malcoff, near Chapel-en-le-Frith.

G2. Bar Brook, above Baslow, 330 yards.

T1. Dog Lane, near Atlow; lane between Osmaston and Bradley Wood.

T3. Coton in the Elms, *Painter*, *J.B.*

H. prenanthoides *Vill.*

Native. H. Limestone cliffs. Very rare. P. Aug.-Sept.

First record, *Painter, J.B.*, 1881.

L. Miller's Dale, *Painter, J.B.* Chee Dale, *Hb. Carr.* Perhaps the same locality.

H. strictum *Fr.* Var. subcrocatum *Linton.*

Native? H. Banks. Very rare. P. Aug.-Sept.

First found, *The Author*, 1898; record, J.B., 1899, 527.

G1. Railway bank near L. & N. W. Station, Chapel-en-le-Frith.

H. boreale *Fr.*

Native. BE. Banks, wood borders, copses. Frequent. P. Aug.-Sept.

First record, *Pilkington*, 1789. *H. sabaudum.*

L. Frequent in the limestone dales up to 300 yards, *Baker, J.B.* Lover's Leap, Buxton; Miller's Dale; Matlock Bath; Bonsall, *Rogers.* Taddington Dale; Coomb's Dale, near Calver; Earl Rake, Bradwell.

G1. Between Bugsworth and New Mills, *Rogers.* Near the Snake Inn Dinting; Edale; Bamford; near Eyam.

G2. Near the Cromford Canal, *Rogers.* Hazelwood; Duffield; Wirksworth, *Gibbs.* Abney Clough; Shatton; Froggatt; near Stony Middleton; Grindleford Bridge.

C. Coxbench Wood, *C.D.* Near the canal, north of Chesterfield; Kirk Hallam; Codnor; Denby Common; east of Dale. Brampton, *Pilkington.*

P. Cresswell Crags.

T1. Mickleover; Mugginton, *Painter, Nat^t.* Shirley; roadside near Edlaston Pastures; Bradley; Church Broughton; Hilton Common.

T2. Breadsall, *Crewe & Whittaker.*

T3. Bank of the Tramway at Heath End, Calke, *Purchas, J.B.* Near Repton Shrubs, *Rept. F. & F.* Between Calke and Breedon, *Bloxam.*

H. umbellatum *L.*

Native E. Hedgesides, banks, heathland. Not uncommon. P. July-Sept.

First record, *Jewitt*, 1811.

L. On the Yoredale rocks of the upper part of the Dove Valley, *Purchas, J.B.* Ashwood Dale, Buxton, *Jewitt.*

G1. Valley of the Goyt, *Painter, J.B.* Charlesworth, *Fl. Ashton.* Edale, fields opposite Grindsbrook, across the stream.

C. Heanor, *Watson's N.B.G.*

T1. Between Edlaston and Tinker's Inn, *Smith MSS.* Mickleover, *Painter, Nat^t.* Ednaston; Hollington; Bradley (a dark styled form), *B.E.C. Rep., 1890, 306*; Church Broughton to Sutton; Shirley; lane, West Broughton, Sudbury; Hilton Common; heath by large pool south of Findern.

T2. Breadsall, *Whittaker, C.D.* Between Ockbrook and Dale, *Smith, MSS.*

T3. Egginton; Willington, *Painter, J.B.* Repton, *Wild Fl. Rept.* Between Crewe's Pond and Loscoe, *Rept. F. & F.*

HYPOCHŒRIS *L.*

H. radicata *L.* *Cat's-ear.*

Native. B. Fields, roadsides, waste places. Common. P. June-Oct.

First record, *Glover*, 1829.

Abundant throughout the County. "Frequent up to 400 yards at Burbage," *Baker, J.B.*

LEONTODON *L.*

L. hirtus *L.*

Native. E. Dry slopes, heaths, fields. Not uncommon. P. June-Sept.

First record, *Glover*, 1829.

L. Hillside opposite the Railway Station, Miller's Dale, *Rogers.* Middleton Common, Wirksworth, *Milnes, C.D.* The absence of *L. hirtus* [from Dovedale] is remarkable. One plant only found, on the Staffordshire side, *Purchas, J.B.*

G1. Charlesworth, *Fl. Ashton.* Near the Snake Inn.

G2. Froggatt; Crich Common.

C. Codnor Castle; Westthorpe; Troway; by the pool east of Killamarsh; Hazlebarrow Farm, Norton; between Greenhill and Bradway; Wingerworth; Nether Loads, Old Brampton; between Tibshelf and Hucknall.

P. Scarcliffe; Elmton; by the Walls, Whitwell.

T1. Cubley Common; waste ground by the railway, below Findern.

T2. Breadsall, &c., *Crewe & Whittaker.* Between Swarkeston and Chellaston, *Painter, Natt.*

T3. Heathy places about Calke, *Purchas, J.B.* Between Repton and Milton, *Rept. F. & F.*

L. hispidus *L.*

Native. EB. Meadows, pastures, waysides. Common. P. June-Sept.

First record, *Pilkington*, 1789.

General throughout the County. "Common up to 400 yards," *Baker, J.B.*

L. autumnalis *L.* *Hawkbit.*

Native. B. Waysides, dry places, fields. Common. P. June-Oct.

First record, *Glover*, 1829.

More or less generally distributed. "Common up to 500 yards on Axe Edge," *Baker, J.B.* "A form with pale lemon-coloured flowers occurred in a meadow east of Allestree Park.

Var. *pratensis* (Koch).

C. Near Norton Lees, *The Naturalist.*

TARAXACUM *Hall.*

T. officinale *Web.* *Dandelion.*

Native. B. Fields, cultivated and waste ground, roadsides, banks, walls. Very common. P. Mar.-Oct.

First record, *Pilkington*, 1789. *Leontodon Taraxacum.*

Everywhere abundant. "Up to 500 yards," *Baker, J.B.*

Var. *corniculatum* (DC.).

Probably this is the *B. Dens Leonis angustioribus foliis* (Ray Syn.) recorded for Derbyshire in *Sm. Eng. Fl.*, 1824.

L. At Matlock Bath, *Sm. Eng. Fl.* Kirkdale, Ashford; Carsington Pastures; Dovedale; Brassington Rocks.

P. Markland Grips, *Gibbs*, *Nat*^{t}.

T1. Roadside at the Lime Quarries, Snelston Common, *B.E.C. Rep.*, 1895, 486; on a wall at Allestree; Shirley Park, on steep grassy slopes, *J.B.*, 1888, 31.

Var. *lævigatum* (DC.).

P. Markland Grips, *Gibbs*, *Nat*^{t}. "Undoubtedly *T. lævigatum*," *F. Townsend.*

T1. Normanton, *Painter*, J.B.

Var. *palustre* (DC.). *Watson, Cyb. Brit.*, 1847. "*I have an indistinct recollection of seeing it in Derbyshire.*"

Native. BS.

L. In a swampy part of Dovedale, *Purchas*, *J.B.* Near Brassington Rocks.

G1. Up to 500 yards in swamps of Axe Edge, *Baker*, *J.B.* Plentiful about Grindsbrook, Edale.

G2. Near the Ecclesbourne Brook, above Shottle.

P. Markland Grips, *Gibbs*, *Nat*^{t}.

T1. Fields and by the brook, Shirley; near Alkmonton; Cubley; Abbott's Clowne Holme; Radbourn.

T3. Drakelow Park.

Var. *udum* (Jord.).

T1. Between Hollington and Thurvaston Stoop; Sinfin Moor; meadows east of Alkmonton.

LACTUCA *L.*

L. virosa *L.* *Wild Lettuce.* Top. Bot., "Howitt cat."

Native. G. Banks, hedge-sides, fields. Rare. A. or B. July-Aug.

First record, *Pilkington*, 1789.

L. Matlock, *Pilkington.*

T1. Radbourn, *Painter*, *Nat*^{t}.

T2. Formerly between Derby and Borrowash, *Hassé*, *C.D.*

T3. Near Stanton-by-Bridge, also noticed by Ch. Babington (*N.B.G.*, 638), *Purchas*, *J.B.*

L. muralis *Fresen.* *Wall Lettuce.*

Native. E. Hedge-banks, woods, rocks, walls. Local and plentiful. A or B. July-Sept.

First record, *Martyn*, *Phil. Trans. XXXVI.*, 1729. *Scariola silvestris anguillaræ. Lactuca silvestris murorum flore luteo.*

L. Common on limestone up to 400 yards, *Baker*, *J.B.* Cromford; Dovedale, *Nowers.* Ashwood Dale; Diamond Hill; Miller's Dale; Haddon Hall; Matlock Bath, *Rogers.* Brassington Rocks, *Gibbs.* Middleton Dale;

Ashford; Hartle Dale, Bradwell. About the entrance into Peak's Hole, *Martyn, Phil. Tr.*

G1. Fernilee; Chapel-en-le-Frith, *Barker.* Near Glossop; Mills near Mellor; Edale; Derwent Dale; Hood Brook, Hathersage.

G2. Duffield Bridge, *Whittaker, Phyt.* Stanton-in-the-Peak; Rowsley, *The Naturalist.* Wirksworth, *Gibbs.* Grindleford Bridge; Shottle Gate.

C. Ferriby Brook, Morley, *Crewe & Whittaker.* Totley; Norton, *The Naturalist.* Heanor, *Watson's N.B.G.* The Moss, Mosbrough; Loscoe; Holbrook; near Wingfield Park.

P. Whitwell, *The Naturalist.* Walls, Bolsover Castle, *Waterfall, C.D.* Cresswell; Clowne; Palterton; Houghton.

T1. Somershall, *Gibbs.* Radbourn, *Painter, Natt.* Edlaston; Norbury; Cubley; Church Broughton; Kedleston.

T3. Shady banks, Calke, *Purchas, J.B.* Winshill, *Painter, J.B.* Near Foremark Park, *Watson's N.B.G.* Anchor Church, *Wild Fl. Rept.*

SONCHUS *L.*

S. oleraceus *L.* *Sowthistle.*

Native. B. Cultivated and waste ground, waysides. Common. A. June-Sept.

First record, *Pilkington*, 1789.

Generally distributed. "Common up to 350 yards," *Baker, J.B.*

S. asper *Hoffm.* *Sowthistle.*

Native. B. Cultivated and waste ground, waysides. Common. A. June-Sept.

First record, *Painter, J.B.*, 1881.

"Common up to 350 yards," *Baker, J.B.* The form with glandular pedicels occurred at Ashford, and Hathersage.

S. arvensis *L.* *Corn Sowthistle.*

Native. B. Cultivated and waste ground, streamsides. Common. P. July-Sept.

First record, *Pilkington*, 1789.

General through the County.

Var. *glabrescens* Hall.

TI. Shirley, fields between the Vicarage and main road, *J.B.* 1888, 331, and *B.E.C. Rep.*, 1888, 221.

TRAGOPOGON *L.*

T. pratense *L.* Var. minus *Mill.* *Goat's Beard.* *Go-to-bed-at-noon.*

Native. BE. Field borders, banks, waysides. Frequent. B. June-July.

First record, *Pilkington*, 1789.

L. Top of Diamond Hill, 400 yards; Buxton, *Rogers.* Hillside, west of Matlock Bridge Station, *B. & N., J.B.* Blackwell Dale, *Painter, Nat^t.* Allport; Ashford; Middleton Dale.

G1. Fernilee; Chapel-en-le-Frith, *Barker*. Whaley Bridge; Combes.

G2. Rowsley, *Hagger, C.D.* Near Hathersage; Stokemoor Wood, Grindleford Bridge; near the Peacock Inn, 360 yards.

C. About Renishaw, *Waterfall*. Dore, *The Naturalist*. Denby; Marehay, near Ripley; Norton; New Stanton. Pinxton, *Pilkington*.

P. Bolsover; Scarcliffe Park Wood; Pleasley.

T1. Mickleover; Findern, *Painter, Nat^l*. Burnaston, *Bindley*. Mugginton; between Allestree and Quarndon; about Tutbury Station; Shirley.

T2. Ockbrook, *Smith, MSS*. Breadsall; Chaddesden, *Painter, J.B. & Nat^l*. Spondon, *Hassé, C.D.* Long Eaton; Sawley.

T3. Calke, *Purchas, J.B.* Stapenhill, *Painter, J.B.* Repton, *Wild Fl. Rept.*

***T. porrifolium** *L.* *Salsify.*

Alien.

L. Between Matlock Bath and Bonsall, *Glover*.

T2. Field by the Waterworks, Breadsall, *Crewe & Whittaker*.

CAMPANULACEÆ.

JASIONE *L.*

J. montana *L.* *Sheep's-scabious. Sheep's-bit.*

Native. BE. Dry banks, sandy places. Local. A. or B. July-Sept.

First record, *Pilkington*, 1789.

L. "Occurs freely on the Yoredale Rocks of the upper part of the course of the Dove. I have never seen it on the limestone," *Purchas, J.B.*

G1. Near Buxton, 350 yards, *Rogers*. Plentiful along the old road over Eccles Pike, between Whaley Bridge and Chapel, *Barker*. Bugsworth; Combes; New Mills, a form with pale purple flowers; Ladybower and other localities in Edale; Ashopton.

G2. Lumsdale, *B. & N., J.B.* Two Dales, *Rowland, C.D.* Ambergate; Duffield Bank, *Painter, J.B.* Near Wirksworth, *Gibbs*. Near Milnhay, *Gisborne*. Tansley, *Crewe & Whittaker*. Robin Hood's Stride, Birchover, *Purchas, J.B.* Abney.

C. Wingerworth, *Pilkington*. Coxbench, *Crewe & Whittaker*.

P. Pleasley, *Pilkington*.

T1. Findern, *Painter, Nat^l*. Breward's Car, Mugginton; Spinnyford Brook, Hulland.

T2. Derby, *Pilkington*.

T3. Stanton-by-Bridge, about the old sandstone quarries, *Purchas, J.B.* Calke, *Bloxam*. Parson's Hills, Repton, *Wild Fl. Rept.*

WAHLENBERGIA *Schrad.*

W. hederacea *Reichb. Ivy-leaved Bell-flower. Campanula hederacea* L.

Native. A. Boggy ground, spongy places in cloughs. Very rare. P. Aug.-Sept.

First record, *Painter, J.B.*, 1889.

G1. Derwent, *Hb. Mason!* Jarvis Clough, near Ashopton, 360 yards.

T3. Repton Rocks, in small quantity, where it was found by a Repton schoolboy, *Painter, J.B.*

CAMPANULA *L.*

C. glomerata *L. Clustered Bell-flower.*

Native. GE. Banks, pastures, almost confined to the limestone. Rare. P. June-Aug.

First record, *Jewitt*, 1811.

L. Woods, Buxton, 350 yards, *Rogers.* Lover's Leap, *C.D* Near Hartington; near Parsley Hay Station, *Purchas.* On old walls at Haddon Hall, *Glover.* Summit of cliffs, south side of Chee Dale.

C. Stanton-by-Dale Moor, *Hassé, C.D.*

T2. Spondon, *Hassé, C.D.*

C. Trachelium *L. Nettle-leaved Bell-flower.*

Native. E. Hedges, thickets, woods, preferring limestone. Local. P. July-Aug.

First record, *Pilkington*, 1789.

L. Monk's Dale, 350 yards, *West, J.B.* Miller's Dale, *Painter, J.B.* Chee Dale, *Bailey, C.D.* Monsal Dale, *Rogers, J.B.* Matlock Bath; Lathkil Dale, *Rowland, C.D.* Dovedale, *Purchas.* Buxton, *Buxton Guide.* Taddington, *Jewitt.* Coomb's Dale, near Calver.

G2. Betwixt Duffield Bridge and Makeney, *Pilkington.*

C. Pinxton, *Pilkington.*

P. Pleasley Park, *Watson's N.B.G.* Cresswell, *Painter, Natt.* Scarcliffe; Houghton; Langwith Wood; Steetley.

T2. Breadsall, *Crewe & Whittaker.* Spondon, *Hassé, C.D.*

T3. Brizlincote, *N.H. Tutb.*

C. latifolia *L. Broad-leaved Bell-flower. Giant Throatwort.*

Native. SI. Hedges, woods, banks. Frequent. P. July-Aug.

First record, *Ray. Cat.*, 1670. *Trachelium majus Belgarum* Ger.

Campanula maxima foliis latissimis C.B.; also *W. Derham*, 1718.

L. Castleton; Taddington, 200-300 yards, *Baker, J.B.* Lanes over Bonsall, on the eastern ridge up to 300 yards, *B. & N., J.B.* Matlock, a depauperate form; Miller's Dale, *West, C.D.* Ashford, *Whitehead, C.D.* Dovedale, *Purchas.* Blackwell Dale; Monsal Dale; Cressbrook Dale, *Painter, J.B.* Carsington; near Youlgreave, *Gibbs.* Sheldon; Eyam. Betwixt Ashbourne and Dovedale, *Pilkington.*

G1. Mellor, *Fl. Ashton.* Stirrup Wood, Charlesworth, *Whitehead, C.D.* By the Goyt, near Strines, *Barker.* Bamford; Hood Brook, Hathersage.

G2. Alderwasley, *Gibbs.* Froggatt, between Hassop and Baslow; Idridge-hay; Ashover Hay. Betwixt Rowsley and Darley, *Pilkington.*

C. Between Norton and Eckington; Holmesfield, *The Naturalist.* Woods and hedges near Renishaw, abundant, *Waterfall.* Barlborough, and Barlborough Low Common; brook, west of Shipley Hall; Mosbrough; Dale.

P. Markland Grips, *The Naturalist.* Bolsover; Palterton; Clowne.

T1. Ashbourne; near Mugginton, *Painter, Natt.* Shirley; Snelston; Cubley; by the brook, Marston Montgomery.

T2. Near Ockbrook Mill, *Smith MSS.* Between Breadsall and Darley; Morley, *Crewe & Whittaker.* By a brook near Hopwell Hall, very abundant, *Watson's N.B.G.* Chaddesden, probably a garden escape, *Painter, Natt.* Little Chester, *Pilkington.*

T3. Near Calke Mill, *Purchas, J.B.* Bretby, *Gibbs.* Repton Rocks, *Painter, J.B.*

C. rotundifolia *L. Harebell.*

Native. B. Pastures, banks, waysides. Common. P. July-Sept.

First record, *Pilkington*, 1789.

Abundant everywhere. "Common up to 500 yards on Axe Edge," *Baker, J.B.* A white-flowered form has been noticed at Longstone Edge (L.), Abney (G2), and Slatepit Dale, Holymoorside (C.).

C. patula *L. Spreading Bell-flower.* Top. Bot. "Berkley ms."

Denizen. E. Banks, fields. Very rare and scarce. A. or B. July-Aug.

First record, *Pilkington*, 1789.

Pilkington's statement that this is "frequent" is certainly a mistake, as Watson (N.B.G.) remarked in 1837.

C. Formerly on Morley Moor, now extinct, *Whittaker, C.D.*

T1. Once at Osmaston Manor, Ashbourne, *Smith MSS.* In the Nutwood, Darley [by Derby], *Pilkington.*

T2. Cornfields, Breadsall, not observed lately, *Whittaker, C.D.*

T3. Stapenhill, *Painter, J.B.* Near Melbourne, *Bloxam in Wats. N.B.G.* "Mr. Bloxam's specimen, though a fragment and immature, is the true plant, since it shows the toothing of the sepals," *Purchas, J.B.*

SPECULARIA *Heist.*

S. hybrida *A.DC. Venus' Looking-glass. Campanula hybrida* L.

Colonist. GE. Cornfields on sandy or dry soil. Local and rare. A. July-Sept.

First record, *Glover*, 1829.

C. Dale, *Hassé, C.D.*

T1. Fields east of the Knob, south of Hulland, just under 200 yards, probably the same locality as "Hulland" of *Smith MSS.*

T2. Breadsall, cornfields, common, *Whittaker, Phyt.*

T3. Fields on Melbourne Common, *Purchas, J.B.* Field near Foremark Park Farm; Cauldwell, *Gibbs.* Between Repton Rocks and Repton Shrubs, *Hb. Mason!* Repton, *Wild Fl. Rept.*

VACCINIEÆ.

VACCINIUM *L.*

V. Vitis-Idæa *L. Whortleberry. Red Whorts.*

Native. HS. Higher moorland on mountains. Abundant on most of the high moors. S. June-Aug.

First record, *Ray Cat.*, 1670. *Vaccinia rubra* Ger. *Vitis Idæa semper virens, fructu rudro* J.B. *Upon boggy mountains and heaths in Darby.*

L. Diamond Hill, Buxton, *Rogers, J.B.*

G1. Corbar Hill, *Rogers, J.B.* Plentiful on Axe Edge, 400-550 yards, *Baker, J.B.* Glossop Moors, *Painter, J.B.* High Moor, near Hayfield, *Bot. Guide.* High moors beyond Mam Tor and Win Hill, from Castleton; Combes Moss; Holme Moss, *Watson's N.B.G.* Ringing Low, *Painter, Natt.*

G2. Tansley Moor, *B. & N., J.B.* East Moor, *Bot. Guide.* Cromford Moor, *Watson's N.B.G.* Wirksworth, *Painter, Natt.* Near Fox House Inn; Froggatt; Dethick Common.

C. Totley Moss.

V. Myrtillus *L. Bilberry. Black-worts.*

Native. BH. Heaths, heathland. Locally common. S. April-May.

First record, *Pilkington*, 1789.

L. Buxton; Diamond Hill, *Rogers.* Usually avoids the limestone, but occurs with other relics of the old moorland vegetation on a part of Alsop Moor, near Newhaven, *Purchas, J.B.*

G1. Ascends to Peak of Axe Edge, over 550 yards, *Baker, J.B.* Near Glossop; Edale; near the Snake Inn.

G2. Abundant on Tansley Moor and other gritstone ridges, *B. & N., J.B.* Moors west of Dore, *Hb. Salt.* Near Wirksworth, *Gibbs.* Littlemoor Wood, Dethick.

C. Eckington, *Gibbs.* Breadsall Moor, Morley Moor, *C.D.* East of Totley; The Moss, Mosbrough.

T1. Shirley Wood, *Smith MSS.* Yeldersley Lane.

T3. Outcrop of Millstone Grit, not far from the Ticknall Limeworks, *Purchas, J.B.* Repton Rocks, *Wild Fl. Rept.*

SCHOLLERA *Roth.*

S. Oxycoccos *Roth. Cranberry. Vaccinium oxycoccos* L.

Native. BI. Moorland bogs. Local. S. June-Aug.

First record, *Martyn, Phil. Trans.*, XXXVI., 1729. *Oxycoccos seu Vaccinia palustris* J.B.

G1. Corbar Hill, Buxton, *Rogers.* Axe Edge; Combes Moss, 500 yards, *West, J.B.* Burbage Edge; Reeve Edge, *C.D.* High Moor, near Hayfield, *Bot. Guide.* Charlesworth; Kinderscout, *Fl. Ashton.* Stanage Edge.

G2. Tansley Moor, *Milnes, C.D.* Bogs near Ringinglow, *The Naturalist.* Salter Sich, near the Peacock Inn; under Raven Tor, Beeley; under White Edge, near Froggatt; Hall Dale, near Rowlsey; Dethick Common.

ERICACEÆ.

ARCTOSTAPHYLOS *Adans.*

A. Uva-ursi *Spreng. Bearberry.*

Native. H. High moorland. Very rare. S. May-June.

First found, *Salt*, 1799; first record, *Bot. Guide*, 1805.

G1. Stenior Clough, near the source of the Derwent; also on Kinderscout, *Ward and Whitehead B.L. Rec.*, 1876, 181, *spn.!* Near Cock's Bridge, Kinderscout, *Painter, J.B.* Moors near Glossop, *Wood, Phyt.*, 1842.

G2. Rocks over the Burbage, East Moor, *Glover.* Fox House, on the moors, *Watson's N.B.G.* High Moor, near the seventh milestone to the left of the road leading from Sheffield to Grindleford Bridge, *Hb. Salt.* The last two localities must be very near to each other.

ANDROMEDA *L.*

A. polifolia *L.*

Native. IS. Sphagnous bogs, boggy moorland. Rare. S. May-July.

First record, *Glover*, 1829.

GI. Axe Edge, a broad-leaved variety, *Garner.* Combes Moss, *Watson's N.B.G.* Var. *curta* Tate, from same locality, described and commented on in *J.B.*, 1866, 377 and 1869, 140. Goyt's Moss.

CALLUNA *Salisb.*

C. Erica *DC. Heather. Ling. Calluna vulgaris* Salisb.

Native. B. Heaths, moors, banks. Locally common. S. July-Sept.

First record, *Pilkington*, 1789.

L. Longstone Edge; fields near Sheldon; sparingly in Deep Dale, Kingsterndale.

G1. Moors, near Buxton; Axe Edge, *Rogers.* Abundant on the moorland; up to over 550 yards, *Baker, J.B.* Edale.

C. Breadsall Moor, *Crewe & Whittaker.* Between Tibshelf and Hucknall

T1. Burnaston, *Bindley*. Shirley Wood; Near Bradley Park Farm; Yeldersley Lane; near Spread Eagle Inn, west of Findern; between Mercaston and Cross o' th' Hands.

T3. Repton Rocks, *Gibbs*. Still lingers about Linton and Newhall, *N.H. Tutb.*

Var. *incana* auct.

G2. Chatsworth.

T1. Hulland Moss.

ERICA *L.*

E. Tetralix *L. Cross-leaved Heath.*

Native. B. Heaths, moors. Locally plentiful. S. June-Aug.

First record, *Pilkington*, 1789.

General on moorland, mostly at high levels. "Ascends to Peak of Axe Edge, over 550 yards," *Baker, J.B.* The white-flowered form occurs by the Umberley Brook, near Chatsworth.

E. cinerea *L. Fine-leaved Heath.*

Native. B. Heaths, waysides. Frequent and locally abundant. S. June-Sept.

First record, *Martyn, Phil. Trans.*, XXXVI., 1729. *Erica humilis; cortice cinereo Arbuti flore albo.*

L. About Matlock, *B. & N., J.B.* Longstone Edge.

G1. Heaths about Buxton up to 350 yards, *Rogers*. Coombs Rock, Charlsworth, *Whitehead, C.D.* Goyt's Clough; Ringing Low, *Painter, C.D. & Nat^t.* Moors above Glossop, and about the Snake Inn; Rushup Edge.

G2. Abney Clough; Burbage Brook.

C. Heaths about Walton, near Chesterfield, *Waterfall*. Breadsall Moor, *Crewe & Whittaker*. Barlow Lees; Totley Moss.

T1. Shirley Wood, *Smith, C.D.*

T3. Repton Rocks, *Wild Fl. Rept.*

PYROLA *L.*

[**P. rotundifolia** *L.*

Native? or error? SG. *Glover*, 1829.

G1. Woodlands, *Knowlton in Glover*.

G2. Ladywash Mine, Eyam, *Gem of the Peak*. Very possibly this may be *P. minor*, which was frequently misnamed *rotundifolia* by early collectors.]

P. minor *L. Winter Green.*

Native. SB. Heaths, woods. Very rare. P. June-July.

First record, *Painter, J.B.*, 1889, 179.

L. Near Miller's Dale, discovered by Mr. J. C. Wilson, *Painter, J.B.*

MONOTROPEÆ.

HYPOPITYS *Scop.*

H. Monotropa *Crantz. Yellow Bird's-nest. Monotropa hypopithys* L.

Native. GE. Beech woods. Very rare. P. June-July.

First found, *Salt*, 1809; first record, *Glover*, 1829.

L. Heights of Abraham, Matlock Bath, *Smith MSS.* Woods near Matlock, *Stevens.*

G2. Near Ashover, 1872, *Smith MSS.* Woods at the Black Rocks, Cromford, *Crewe & Whittaker.*

PRIMULACEÆ.

HOTTONIA *L.*

H. palustris *L. Water Violet.*

Native. E. Ponds, slow streams, ditches. Local. P. May-June.

First record, *Pilkington*, 1789.

C. Morley Moor, *Crewe & Whittaker.*

T2. Old bed of R. Derwent, Osmaston-by-Derby, *C.D.* Breadsall, common, *Crewe & Whittaker.* Pond on south side of railway between Derby and Spondon; near the canal, Sandiacre; Trent Lock; ditch west of Sawley.

T3. Ponds by Swarkeston Bridge, *Watson's N.B.G.* Egginton, *Painter, J.B.* Old Trent, Repton, *Linton.*

PRIMULA *L.*

P. acaulis *L. Primrose. P. vulgaris* Huds.

Native. B. Fields, woods, hedgebanks. Common. P. March-May.

First record, *Pilkington*, 1789.

General, though most abundant on clay or limestone. "Limestone cliffs up to 350 yards," *Baker, J.B.*

Var. *caulescens* (Koch).

L. Dovedale, *Smith MSS.*

G2. Whatstandwell, *Painter, J.B.* (*intermedia*).

T1. Between Shirley and Longford.

T3. Occurs from time to time about Calke, *Purchas, J.B.* Repton Shrubs, *Nowers.*

P. acaulis × veris. *P. elatior* auct.

First record, *Pilkington*, 1789. *Oxlip.*

L. Matlock, *Stevens.* Dovedale, *Smith MSS.*

G2. Whatstandwell, *Nowers.* Between Rowsley and Bakewell, *Drabble.*

T1. Peathays, Shirley; copse east of Alkmonton. Near Rough Heanor Houses, Mickleover, *Pilkington.*

T2. Between Ockbrook and Dale Abbey, *Smith MSS.* Near Breadsall, *Whittaker in Hb. Syme.*

T3. Osier-bed between Repton and Bretby, *Wild Fl. Rept.* Repton Shrubs, *Rept. F. & F.* Calke, *Bloxam.*

P. veris *L.* *Cowslip.* *P. officinalis* Scop.

Native. BE. Pastures, woods, waysides. Common. P. April-June.

First record, *Pilkington*, 1789.

Generally distributed. "Ascends up to 400 yards at Wormhill," *West, J.B.*

LYSIMACHIA *L.*

L. vulgaris *L.* *Yellow Loosestrife.*

Native. EB. River banks, wet places. Rare. P. July-Aug.

First record, *Glover*, 1829.

C. Formerly at Morley Moor, *Whittaker, Phyt. & C.D.*

T1. Markeaton Woods, *Glover.*

T2. Railway cuttings and banks of R. Derwent [near Breadsall], *Crewe & Whittaker.*

***L. punctata** *L.* Alien.

G2. Brookside below Beeley, near the Derwent.

L. Nummularia *L.* *Money-wort.* *Creeping Jenny.*

Native. E. Damp sides of ponds and ditches, meadows, woods. Local. P. June-Aug.

First record, *Pilkington*, 1789.

G1. Chapel Reservoir.

G2. Ditch by the Derwent above Allestree Ford.

C. Walton, *Drabble.* Near the Ball Inn, Renishaw, *Painter, Nat^t.* Loscoe; pond west side of Barlborough; Alfreton; Ault Hucknall.

P. Bramley Vale, Glapwell.

T1. Findern, *Painter, Nat^t.* Ponds between the railway and R. Dove, Marston-on-Dove; Scropton, by the railway; Sudbury.

T2. Near Ockbrook, *Smith MSS.* Breadsall, *Whittaker, Phyt.* Lane near Thrumpton Ferry; Sawley; ditch banks about Long Eaton, abundant.

T3. About the pond at Calke, *Purchas, J.B.* Repton Shrubs, *Gibbs.* Swarkeston; near Burton-on-Trent; Knowl Hills, *Painter, J.B. & Nat^t.* Repton, *Wild Fl. Rept.* Drakelow.

L. nemorum *L.* *Wood Pimpernel.*

Native. B. Woodland, damp shady places. Frequent. P. May-Sept.

First record, *Pilkington*, 1789.

L. Damp woods, Matlock, *B. & N., J.B.* Sparingly in the upper part of the Dove Valley, *Purchas, J.B.* Bradwell, *Painter, Nat^t.* Great Shacklow Wood.

G1. Chapel-en-le-Frith, *Rogers*. Up to 1150 ft. in Torside Clough, near Crowden; Tarden, near Mellor; Edale; Upper Hurst Brook, Bamford; near Eyam.

G2. Whatstandwell, *Painter*, *Nat^t*. Abney Clough; Burbage Brook; Froggatt; Hay Wood, Grindleford.

C. About Renishaw, *Waterfall*. Between Norton and Heeley, *The Naturalist*. Wood east of Smalley; Brierly Wood, Unstone; Barlow Brook; woods north east of Coal Aston; Salter Wood, near Ripley; Newton Wood; Ault Hucknall. Coxbench Wood, *Pilkington*.

P. Langwith Wood; Whitwell Wood.

T1. Shirley; by Cubley Brook. Nursery by Mr. Eames, Mackworth, *Pilkington*.

T2. Breadsall, *Crewe & Whittaker*. Dale Abbey Woods, *Painter*, *J.B.*

T3. Near Calke Mill, *Purchas*, *J.B.* Burton-on-Trent, *Painter*, *J.B.* Repton Shrubs, *Wild Fl. Rept.* Repton, *Bindley*.

ANAGALLIS *L.*

A. arvensis *L.* *Pimpernel.*

Native. BE. Arable land, waysides. Common. A. May-Oct.

First record, *Pilkington*, 1789.

Generally distributed. "Hill above Miller's Dale Railway Station, over 350 yards," *Rogers*, *J.B.*

Var. *pallida* Hook. Man.

Occurs occasionally with the type, usually in much less quantity.

T1. Sandy fields between Shirley and Shirley Brook.

A. coerulea *Schreb.* *Blue Pimpernel.*

Native or Colonist? BE. Arable land, roadsides. Very rare. A. June-Sept.

First record, *Smith MSS.*, 1871-81.

C. By roadside between Denby Common and Loscoe, a mauve coloured form which turned bright blue as it dried.

T1. Mickleover, *Painter*, *Nat^t*.

T2. Ockbrook, *Smith MSS.*

A. tenella *L.* *Bog Pimpernel.*

Native. B. Bogs, marshes by pools. Rare and local. P. June-Aug.

First record, *Pilkington*, 1789. *Lysimachia tenelia* [*tenella*] *Purple Money-wort or Loosestrife.*

G1. Near Bradwell, *Painter*, *Nat^t*. Hollinworth Clough, about 350 yards, close to the stream.

G2. Bechagg Wood, Froggatt; Umberly Brook, near Chatsworth, 250-300 yards; Bentley Brook, Matlock; Redcar Brook, above Dore.

C. Bog at Holymoorside, *Drabble*. Pinxton, *Pilkington*.

P. Pool near the Walls, Whitwell. Pleasley, *Pilkington*.

T1. Hulland Moss, *Whittaker, C.D.* Quarndon Common, *Glover.* By the brook, near Shirley Wood, *Miss Wright.* Normanton, *Pilkington.*

T3. Bank between Calke and Melbourne, a remnant of the old vegetation of Melbourne Common; found also by Bloxam in the bog at Foremark Park, *Purchas, J.B.* Repton Rocks, *Wild Fl. Rept.*

SAMOLUS *L.*

S. Valerandi *L.* *Brookweed.*

Native. EB. Marshy margins of streams and ditches. Very rare. P. July-Sept.

First record, *Stevens*, 1864. Top. Bot., "Bloxam MS."

G2. Stream on Tansley Moor, *Stevens.*

T3. "Ponds by Swarkeston Bridge" Bloxam! Not since found, so far as I know, *Purchas, J.B.*

OLEACEÆ.

FRAXINUS *L.*

F. excelsior *L.* *Ash Tree.*

Native. B. Hedges, woods. Common. T. April-May.

First record, *Pilkington*, 1789.

Common in every district. "Truly wild up to 450 yards," *Baker, J.B.*

Var. *heterophylla* Vahl. Var. *diversifolia* Ait.

L. High Tor, Matlock, *Crewe & Whittaker.*

LIGUSTRUM *L.*

L. vulgare *L.* *Privet.*

Native and often planted. E. Hedges, woods, bushy places. Frequent, especially on limestone. S. June-July.

First record, *Pilkington*, 1789.

L. Native in Monk's Dale, at 350 yards, *West, J.B.* Monsal Dale; Miller's Dale, 200-250 yards, *Baker, J.B.* Ashford Dale, *Painter, J.B.* Matlock Tor; hillside east of Bonsall, truly wild, *B. & N., J.B.* Rocky limestone slopes of the Dove Valley, 600-1000 ft., *Purchas, J.B.* Buxton, *Buxton Guide.*

G1. Chapel-en-le-Frith; Etherow district.

G2. Canal banks, Cromford, *Bailey, C.D.* Between Duffield and Darley, *Gisborne.* Pilsley, near Hassop,

C. Near Dale Abbey, *Hassé, C.D.* Woods near Beauchief Abbey; Beighton; New Stanton. Pinxton, *Pilkington.*

P. Hedgebanks at Cresswell, *Waterfall, C.D.* Steetly, *Painter, Nat^t.* Elmton; Palterton; Pleasley.

T1. Mickleover, *Painter, J.B.* Radbourn; Markeaton; Allestree; Shirley; Burnaston; Lower Thurvaston.

T2. Near Trent Station; Sandiacre.

T3. Calke, planted, *Purchas, J.B.* Burton-on-Trent, *Painter, J.B.* Repton towards Willington, *Wild Fl. Rept.* Egginton Common.

APOCYNACEÆ.

VINCA *L.*

***V. major** *L. Periwinkle.*

Alien. Banks, waste bushy ground. Rare. P. April-June.

First record, *Pilkington*, 1789.

L. Naturalised at Willersley, *Crewe & Whittaker.*

G3. Idridgehay, *Gibbs.*

C. Pleasley Park, *Pilkington.*

T3. Naturalised at Walton, *H. N. Tutb.*

V. minor *L. Lesser Periwinkle.*

Denizen. E. Hedgebanks, thickets, wood borders. Local. P. April-June.

First record, *Pilkington*, 1789.

L. Matlock Bath, *Rowland, C.D.*

G2. Near Lee Bridge, Cromford, *Crewe & Whittaker.*

T1. Bradley; between Norbury and Cubley, *Smith MSS.* Shirley Wood, *Appleby.* Radbourn, *Painter, Nat^t.* Ashbourne, *Garner.*

T2. In a hedge within the Roman Station at Little Chester, *Pilkington.*

T3. Plantation by the roadside at Calke; well established, though no doubt originally introduced, *Purchas, J.B.* Walton, *N. H. Tutb.*

GENTIANEÆ.

BLACKSTONIA *Huds.*

B. perfoliata *Huds. Yellow Centaury. Chlora perfoliata* L.

Native. E. Dry marly banks. Very rare. A. July-Sept.

First record, *Pilkington*, 1789.

L. Matlock, *Stevens.*

P. Near Clowne, *Waterfall.* Railway between Rowthorne and Ault Hucknall; Pleasley Park; Whitwell, *Pilkington.*

ERYTHRÆA *Renealm.*

E. Centaurium *Pers. Centaury.*

Native. B. Fields, heaths, banks. Locally abundant. A. June-Sept.

First record, *Pilkington*, 1789. *Gentiana centaurium.*

L. Matlock Bath; Brassington, *Rowland, C.D.* Hope, *Hb. Mason!* Dovedale, *Painter, J.B.*

G1. Hague Bar, near New Mills.

G2. By Bar Brook, above Baslow, circa 800 ft.

C. Whirlow Bridge, near Dore, *The Naturalist.* Barlborough Low Common; Wilday Green, near Barlow; Fritchley; Millthorpe, near Holmesfield; between Tibshelf and Hucknall; near Stubbing Court. S. Normanton, *Pilkington.*

P. Bolsover; near Glapwell Station; Whitwell Wood; Scarcliffe Park Wood.

T1. Mickleover, *Painter, Nat^t.* By Willington Junction, *Rept. F. & F.* Breward's Car, Mugginton; Meynell Langley; Bradley; by Yeldersley Rough; Cubley Common.

T2. Breadsall, *Whittaker, Phyt.* Ockbrook, *Smith MSS.*

T3. Heath End, Calke, *Purchas, J.B.* Repton Rocks, *Gibbs.* Repton Shrubs, *Nowers.* Bretby, *Hagger, C.D.* Burton-on-Trent, *Painter, J.B.*

GENTIANA *L.*

[**G. Pneumonanthe** *L.* Top. Bot., 276.

T3. Egginton Heath, *Pilkington.* Long extinct.]

G. Amarella *L.* *Gentian. Felwort.*

Native. BE. Dry pastures, abundant on the limestone. Local. A. July-Sept.

First record, *Pilkington*, 1789.

L. Diamond Hill, *Rogers.* Wormhill, *West, J.B.* Heights of Abraham, Matlock Bath; Dovedale, *B. & N., J.B.* Dean Hollow, near Cromford, *Gibbs.* Near Ripley Tollbar, *Purchas.* Hartington, *Bindley.* Hassop Mines; High Rake; Longstone; Bradwell; Pin Dale, Peak Forest; Great and Little Hucklow.

G1. Frequent up to 500 yards, *Baker, J.B.* Corbar Wood, *Rogers.* Allport Dale; Martinside; Chapel-en-le-Frith.

G2. Wirksworth, *Gibbs.* Crich, *Painter, J.B.* Near Fox House Inn, towards Dore; Eyam Moor; Hay Wood, Grindleford Bridge; near Robin Hood's Inn, Baslow.

C. Pinxton, *Pilkington.*

P. Bolsover; Elmton; Cresswell Crags; Houghton; Whitebrick Moor, and Whitwell Wood.

T1. Slopes on the east of the pools, Osmaston-by-Ashbourne; limepits, Snelston Common.

T2. High Pastures, Breadsall, *Glover.*

G. uliginosa *Willd.*

Native. SH. Dry slopes and pastures. Rare. A. June-July.

First record, *J.B.*, 1899, 386.

L. Miller's Dale.

G. campestris *L.* *Field Gentian.*

Native. BS. Mountain pastures. Local. A. Aug-Oct.

First record, *Bot. Guide*, 1805.

L. Topley Pike; Taddington, *Green*, *C.D.* Via Gellia, *Milnes*, *C.D.* Monsal Dale, *Miss Fenton.* Eyam, *Drabble.*

G1. Frequent up to 500 yards, *Baker*, *J.B.* Corbar Hill, Buxton, *Rogers.* Axe Edge, often single-flowered, *Garner.* Chinley Hill, *Bot. Guide.* Charlesworth; near Glossop, *Fl. Ashton.* Near Goyt's Bridge; Poor Man's Piece, Slackhall.

G2. Eyam Moor.

T1. Osmaston-by-Ashbourne, rare, *Smith MSS.*

T2. Breadsall, *Crewe & Whittaker.*

T3. Field above Repton Shrubs, *Rept. F. & F.*

MENYANTHES *L.*

M. trifoliata *L.* *Bogbean. Buckbean.*

Native. B. Bogs, marshes. Locally abundant. P. May-June.

First record, *Pilkington*, 1789. *Marsh Trefoil.*

L. Pool near the New Church, Buxton, *Jewitt.*

G1. Charlesworth Coombs, *Fl. Ashton.* Bamford Moor.

G2. Tansley Common, *Crewe & Whittaker.* Ramsley Moor, and by Bar Brook, Baslow.

C. South Normanton, *Pilkington.*

T1. Pools above Wyaston Brook, towards Rodsley, *Smith MSS.* Boggy ground south of Old Covert, Mugginton, *Feilden.* Shirley Park, *Glover*; now extinct, but in several places in Shirley, *James.* In a pit by the foot-road betwixt Mackworth and Kedleston, *Pilkington.*

T3. Bog near Foremark Park, very small and weakly, *Purchas*, *J.B.* Repton Rocks, *Gibbs.* Newhall, *N.H. Tutb.*

POLEMONIACEÆ.

POLEMONIUM *L.*

P. cœruleum *L.* *Jacob's Ladder. Greek Valerian.*

Native. I. Rocky limestone slopes, streamsides, copses. Local. P. June-July.

First record, *Withering*, 1787.

L. Flagg Dale; Chee Dale, 300 yards, *West*, *J.B.* Ashwood Dale; Chrome Hill; Youlgreave; Ashford Dale; Hogshaw Lane, Buxton, *Painter*, *J.B.* & *Nat*^{t}. In several parts of the Dove Valley, though not in Dovedale proper, *Purchas*, *J.B.* Lathkil Dale; near Matlock High Tor; near Bradbourn Mill, *Smith MSS.* Near Haddon Hall, *Watson's N.B.G.* Monsal Dale, *Gibbs.* The Winnatts, Castleton; Fern Dale, Monyash; by the stream under Topley Pike, white flowered. By the side of the turnpike road in Bakewell Meadows, *Pilkington.*

C. Alfreton Brook, *Pilkington.*

T1. Cutler Brook, Kedleston, white flowered.

T2. Breadsall, probably an escape, *Crewe & Whittaker.* Below Derby, a garden escape, *C.D.*

T3. Drakelow, *Painter, J.B.*

BORAGINEÆ.

CYNOGLOSSUM *L.*

C. officinale *L.* *Hound's-tongue.*

Native. EB. Woods, dry banks, dry waste ground, on limestone. Rare B. or P. June-Aug.

First record, *Pilkington*, 1789.

L. Bradford Dale, *Painter, J.B.* Dovedale, *Garner.* Buxton, *Buxton Guide.* Matlock, but not very common, *Pilkington.* Cressbrook Dale.

G2. Ashover, *Pilkington.*

P. Markland Grips, *The Naturalist.* Cresswell Crags.

T3. Calke, but sparingly, *Purchas, J.B.*

SYMPHYTUM *L.*

S. officinale *L.* *Comfrey.*

Native. EB. Streamsides, ditches, moist hedgesides. Frequent. P. May-Aug.

First record, *Pilkington*, 1789.

L. Buxton, 350 yards, *Rogers.* Bakewell, *West, J.B.* Via Gellia, *B. & N., J.B.* Matlock Bath, *Rowland, C.D.* Bradwell, *Painter, Nat^t.*

G2. Canalside at Whatstandwell, *B. & N., J.B.* Ambergate, *Gibbs.* Beeley; near the Derwent above Allestree.

C. Barlow. Wingerworth, *Pilkington.*

T1. Mickleover, *Bindley.* Cubley; Barton Blount; Etwall; Dalebrook, Sudbury. Mackworth, *Pilkington.*

T2. Breadsall, *Crewe & Whittaker.*

T3. About Calke, *Purchas, J.B.* Ingleby, *Hassé, C.D.* Newton Solney, *Painter, J.B.* Bretby, *Gibbs.* The variety *patens* Sibth. occurs not unfrequently with the type; noted by Pilkington about Derby and Duffield.

***S. peregrinum** *Ledeb.* *S. asperrimum*, Bab. Fl. Bathon.

Alien. *B.E.C. Rep.*, 1876, 29.

L. Between Grange Mill and Lilies Inn at the head of the Via Gellia, now greatly diminished in quantity; another station by R. Bradford, Youlgreave, *Purchas, J.B.* See also *B.E.C. Rep.* 1878; *J.B.* 1879, 85; 1880, 57; *B.L. Rec.* 1880, 163.

***Borago officinalis** *L.* *Borage.*

Alien. *Glover*, 1829.

C. Near Duckmanton, *Waterfall.*

T1. Mickleover, *Bindley.*

T2. Straggler from gardens, Elvaston, *Hassé, C.D.*

***Anchusa sempervirens** *L.*

Alien. E.

L. Haddon, *Nowers.*

T1. Etwall, *Bindley.*

LYCOPSIS *L.*

L. arvensis *L.* *Bugloss.*

Colonist. B. Arable land, waysides. Local. A. or B. June-July.

First record, *Pilkington*, 1789.

C. Breadsall Moor, *Crewe & Whittaker.* About Dale Abbey, *Hassé, C.D.*

T1. Meynell Langley; Breward's Car, Mugginton.

T3. Bretby, *Gibbs.* Between Milton and Repton Rocks, *Wild Fl. Rept.*

***Pulmonaria officinalis** *L.* *Lungwort.*

Alien.

G1. In a wood on the left bank of R. Goyt between Compstall Bridge and Marple Aqueduct, *Buxton's B.G.*

G2. By the roadside between Duffield and Kedleston, *Whittaker, Phyt.*

MYOSOTIS *L.*

M. cæspitosa *F. Schultz.* *M. lingulata* Lehm.

Native. B. Marshy places, ditches, damp banks. Frequent. P. June-Aug.

First record, *Watson's N.B.G.*, 1837.

L. About Buxton; Miller's Dale, *C.D.* Ashford, *Painter, J.B.* Via Gellia, *B. & N., J.B.* Near Bakewell, *Purchas.* Near Carsington; Scow Brook, near Hognaston.

G1. Swamps of Axe Edge, up to 500 yards, *Baker, J.B.* Chapel Reservoir; Tarden, near Mellor; Hope.

G2. Ambergate.

C. Dale; New Stanton; Beauchief Abbey; Mapperley; Loscoe; Ault Hucknall.

P. Bramley Vale, Glapwell; Langwith Wood.

T1. Shirley; Brailsford Brook; Cubley Common; Dalebrook, Sudbury; Foston; Hatton; Marston-on-Dove; by the Derwent, east of Allestree Park.

T2. Breadsall, *Whittaker, Phyt.* Sandiacre; Sawley, and marsh by Sawley Junction.

T3. About Calke, *Purchas, J.B.* Burton-on-Trent; Willington; Swarkeston Bridge, *Painter, J.B.* Repton Rocks, *Gibbs.*

M. palustris *Relh.* *Forget-me-not.*

Native. BE. Streams, ditches, pools, wet places. Frequent. P. May-Aug. First record, *Pilkington*, 1789.

L. Wye Valley up to Miller's Dale, 250 yards, *Baker*, *J.B.* Matlock, *B. & N.*, *J.B.* Near Buxton, *Buxton Guide.* Via Gellia; Bradwell, *Painter*, *Natt.* Absent from the valley of the Dove proper, but seen near Fenny Bentley, *Purchas*, *J.B.*

G2. Canal between Ambergate and Whatstandwell, *Bailey*, *C.D.* Hathersage, *Painter*, *Natt.*

C. Canal banks, Renishaw, *Waterfall.* Beauchief, *The Naturalist.* Hardwick.

P. Cresswell, *The Naturalist.* Markland Grips.

T1. Findern; Derby, *Painter*, *Nat^t.* & *C.D.* R. Dove below Tutbury Station and Sudbury.

T2. Breadsall, *Whittaker*, *Phyt.* Thrumpton Ferry; Sawley; Long Eaton; Sandiacre.

T3. Calke, *Bloxam*; "not seen," *Purchas*, *J.B.* Bretby Park; Repton Rocks, *Gibbs.* R. Trent, Burton, *Hb. Mason!* Repton, *Wild Fl. Rept.*

Var. *strigulosa* Mert & Koch.

L. Abundant in the Wye Valley at Miller's Dale; Via Gellia, *Rogers.*

G2. Cromford Canal, *Rogers.* Brook at Beeley.

T2. Morley; Breadsall, *Painter*, *J.B.* & *Nat^t.*

T3. Canalside, Willington, *Painter*, *Natt.*

M. repens *G. Don.* *Creeping Forget-me-not.*

Native. BS. Streams, marshes, pools. Somewhat local. P. June-Aug. First record, *B.L. Rec.* for 1878, 1879.

G1. Axe Edge, *West*, *J.B.* Under Kinderscout, *Bailey*, *B.L. Rec.* Charlesworth Coombs; Combes Moss, *Painter*, *J.B.* Torside Clough; Derwent Moor; near the Snake Inn; Hood Brook, Hathersage.

G2. Tansley Moor, *B. & N.*, *J.B.* Abney Clough; Froggatt; Hillcliff Lane, near Ireton Wood.

C. Pool, east of Killamarsh; pond below Barlborough Low Common.

T1. Meadow near Osmaston-by-Ashbourne, *Smith MSS.* Barton Blount; Marston-on-Dove; Shirley; Hulland Moss; Markeaton.

T2. Between Chellaston and Swarkeston, *Painter*, *Nat^t.*

T3. Repton Rocks, *Gibbs.* Repton, *Painter*, *Nat^t.*

M. silvatica *Hoffm.* *Wood Scorpion Grass.*

Native. EI. Hedges, woods, brookbanks. Frequent. B. or P. April-June. First records, *Pilkington*, 1789, *M. scorpioides*; *Mag. Nat. Hist.*, 1829-35, *M. silvatica.*

L. Flagg Dale, 300 yards, *West*, *J.B.* Ashwood Dale; Miller's Dale; Cressbrook Dale; Via Gellia; Dovedale; Ashford Dale, *Painter*, *J.B.* & *Nat^t.* Alport, *Gibbs.* Fenny Bentley, *Purchas*, *J.B.* Woods opposite Matlock Bath, *Mag. Nat. Hist.* Bakewell; Lathkil Dale; Middleton Dale, *The Naturalist.*

G1. Mellor, *Fl. Ashton.*

G2. Ashover, *Bailey, C.D.* Wirksworth; Cromford; Rowsley, *Gibbs.* Near Baslow, *Miss Armitage.* Ecclesbourn Brook.

C. Ault Hucknall.

P. Cresswell Crags, *Waterfall, C.D.* Whitwell Wood, *The Naturalist.*

T1. Cubley, *Smith MSS.* Mackworth, *Gibbs.* Kedleston, *Whittaker, Phyt.* Mickleover; Radbourn; near Mugginton, *Painter, Nat*[t]. Shirley; Longford; Trusley; Etwall, &c.

T3. Bretby, *Gibbs.* Burton, *Hb. Mason!*

M. arvensis *Lam. Field Forget-me-not.*

Native. B. Arable land, waste ground, woods, banks. Very common. A. or B. April-Sept.

First record, *Pilkington*, 1789.

Abundant nearly everywhere. "Common up to 400 yards," *Baker, J.B.*

Var. *umbrosa* Bab.

L. Wye Valley, a little below Miller's Dale; Via Gellia, *Rogers.* Chee Dale, *C.D.*

T1. Weston Underwood; Edlaston Coppy.

M. collina *Hoffm.*

Native. B. Dry banks, limestone rocks and slopes, walls. Locally plentiful. A. or B. April-June.

First record, *Watson's N.B.G.*, 1837.

L. From 200-300 yards [Wye Valley], *Baker, J.B.* Matlock Bath; Miller's Dale; Dovedale, *Painter, J.B.* Wormhill, *West, J.B.* Blackwell Dale, *Painter, Nat*[t]. The Winnatts, Castleton; Beresford Dale, near Hartington.

T2. Breadsall, *Crewe & Whittaker.* Between Elvaston and Ambaston, *Hassé, C.D.*

T3. Stanton-by-Bridge, *N.H. Tutb.* Drakelow, *Painter, J.B.* Anchor Church, *Rept. F. & F.* Askew Hill, Repton, *Wild Fl. Rept.*

M. versicolor *Reichb.*

Native. B. Meadows, banks, heaths, waste sandy ground. Local. A. or B. April-June.

First record, *Glover*, 1829.

L. Miller's Dale, *Painter, J.B.* Matlock, *Stevens.*

G2. Burbage Brook, and above Padley Wood, by a small stream.

T1. Mickleover, *Painter, Nat*[t]. Meadow between Ednaston and Shirley; fields, Yeldersley; near Brailsford Church; lane, Hilton Common.

T2. Ockbrook, *Smith MSS.* Breadsall, &c., *Crewe & Whittaker.*

T3. Calke, *Purchas, J.B.* Bretby, *Gibbs.* Willington; Drakelow, *Painter, J.B.* Askew Hill, and Parson's Hills, Repton, *Wild Fl. Rept.*

LITHOSPERMUM *L.*

L. officinale *L.* *Gromwell.*

Native. BE. Woodland, hedgebanks, mostly on limestone. Local. P. June-July.

First record, *Pilkington*, 1789.

L. Cromford, *Milnes C.D.*; Via Gellia, *Painter, J.B.* Matlock, *Pilkington.*

P. Markland Grips, *Waterfall.* Steetley, *Painter, Natt.* Scarcliffe Park Wood.

T3. Calke, but sparingly, *Purchas, J.B.* Drakelow, *N.H. Tutb.* Stapenhill, *Painter, J.B.* Repton, *Wild Fl. Rept.*

L. arvense *L.* *Corn Gromwell. Bastard Alkanet.*

Native. B. Arable land. Local. A. June-July.

First record, *Pilkington*, 1789.

L. Matlock, *Stevens.*

G1. Charlesworth, *Fl. Ashton.*

C. Stanley; West Hallam, *Hassé, C.D.*

T1. Mickleover, *Bindley.* Allestree, *Pilkington.*

T2. Breadsall, *Glover.*

T3. Drakelow, *Hb. Mason!* Breach Farm, near Cauldwell, *N.H. Tutb.* About Burton-on-Trent, *Painter, J.B.* Repton, *Wild Fl. Rept.*

ECHIUM *L.*

E. vulgare *L.* *Viper's Bugloss.*

Native. BE. Fields and dry places on limestone and sand. Rather rare. B. July-Sept.

First record, *Pilkington*, 1789.

C. Breadsall Moor, *Crewe & Whittaker.* Horsley Castle, *Glover.*

P. Clowne, *Drabble.* Cresswell Crags; Markland Grips.

T2. Morley, *Crewe & Whittaker.* Aston Spar Pits, *Hassé, C.D.*

T3. Swarkeston Bridge (*Bloxam*), *Purchas, J.B.*, queries its being truly wild. Winshill; Drakelow, *Painter, J.B.* Near Cauldwell, *N.H. Tutb.*

***Amsinckia lycopsoides** *Lehm.*

Casual.

L. Roadside, Miller's Dale, *Rogers!*

T1. Roadside, Hilton.

CONVOLVULACEÆ.

VOLVULUS *Medic.*

V. sepium *Junger.* *Great Bindweed.* *Calystegia sepium* R. Br. *Convolvulus sepium* L.

Native. EB. Hedges, thickets. Common. P. Aug.-Sept.

First record, *Pilkington*, 1789.

Generally distributed. "Frequent up to 400 yards at Burbage and Fairfield, Buxton; ground round the house porches at Taddington, *Baker*," *J.B.*

CONVOLVULUS *L.*

C. arvensis *L.* *Small Bindweed.*

Native. EB. Hedges, arable land, waste ground. Common. P. July-Oct.

First record, *Pilkington*, 1789.

Abundant throughout the County. "Hedgebank at Matlock Bank, 250 yards. A narrow leaved variety," *B. & N. J.B.*

CUSCUTA *L.*

[**C. europæa** *L.* *Greater Dodder.*

Casual. EG. Glover, 1829.]

[**C. Epithymum** *L.* *Lesser Dodder.*

Native? E. On heath, gorse, &c. Very rare. A. June-Aug. *Glover*, 1829; *Rept. F. & F.*, 1881.]

***C. Trifolii** *Bab.* *Clover Dodder.*

Colonist. E. On clover. Occasional with the crop. A. July-Sept.

First record, *Rept. F. & F.*, 1881.

T1. Cloverfields, Osmaston-by-Ashbourne, *Smith MSS.* Near the Hollies Farm, Yeldersley.

T2. Cornfields between Ockbrook and Spondon, *Smith MSS.*

T3. Cornfields, Bretby, *Rept. F. & F.*

SOLANACEÆ.

SOLANUM *L.*

S. Dulcamara *L.* *Bitter-sweet. Woody Nightshade.*

Native. BE. Hedges, woods, ditch-sides. Common. P. June-Aug.

First record, *Pilkington*, 1789.

General throughout the County. "Miller's Dale, 250 yards," *Baker, J.B.*

S. nigrum *L.* *Black Nightshade.*

Colonist. E. Arable land, gardens. Rare. A. July-Sept.

First record, *Pilkington*, 1789.

C. Pinxton, *Pilkington.*

T1. Mickleover, *Painter, Nat^t.* Derby, *Pilkington.*

T3. Repton, *Wild Fl. Rept.*

***Lycium barbarum** *L.* *Tea Plant.* *L. chinense* Lam.

Alien.

L. Buxton, *Barrow.*

P. Cresswell Crags; by Nether Langwith. Occurs in other parts of the County in and by villages, as an escape from gardens, as at Mickleover (T1), *Bindley.*

ATROPA *L.*

A. Belladona *L. Deadly Nightshade. Dwayberries.*

Native. E. Woods, quarries. Local and rare. P. July-Aug.

First record, *Withering*, 1789.

L. Haddon Hall, *Purchas.* Near Wirksworth, *Rowland, C.D.*

C. Horsley Castle; near a pond at Hardwick, *Pilkington.*

T3. Barewood Hill, Winshill, *Hb. Mason!* Repton Hall, olim, *Wild Fl. Rept.*

***Datura Stramonium** *L. Thorn Apple.*

Alien or casual.

C. Pinxton, *Pilkington.*

T1. Near Derby, *Hb. Salt.* Sometimes as garden weed at Sudbury, *N.H. Tutb.*

T2. Breadsall, an escape? *Crewe & Whittaker.* Morley, *Hassé, C.D.*

T3. Calke, *Bloxam.* Chapel yard, Repton, olim, *Wild Fl. Rept.*

HYOSCYAMUS *L.*

H. niger *L. Henbane.* Top. Bot. "Howitt cat."

Native. EB. Waste ground, roadsides. Rare. B. June-Aug.

First record, *Pilkington*, 1789.

L. Over Haddon, near Bakewell, *Painter, J.B.* Fenny Bentley, *Bolton!*

C. Pinxton, *Pilkington.*

T1. Darley, Derby, *Glover.*

T2. Chellaston, *Pilkington.*

T3. Near the Stables, Calke, *Bloxam*; not seen lately, *Purchas, J.B.* Stapenhill, *Painter, J.B.*

SCROPHULARINEÆ.

VERBASCUM *L.*

V. Thapsus *L. Great Mullein. Aaron's Rod. Adam's Flannel.*

Native. EB. Waste ground, quarries, roadsides, banks. Frequent. B. June-Aug.

First record, *Pilkington*, 1789. *High Taper. Cow's Lungwort.*

L. Cromford, *Painter, J.B.* Blackwell Dale, *Green C.D.* Matlock, *B. & N., J.B.* Dovedale, *C.D.* Via Gellia, *Gibbs.* Kirk Dale, Ashford; Fern Dale, Monyash; Beresford Dale. Middleton Dale, *Pilkington.*

G2. Quarry west of Whatstandwell; Makeney, *Pilkington.*

C. Dale Abbey, *Glover.*

P. Markland Grips, *The Naturalist.* Cresswell; Steetley, *Painter, Natt.* Scarcliffe Park Wood.

T1. Osierbeds below Copse Hill, Osmaston-by-Ashbourne, *Miss Sandford.* Bradley Churchyard; Lodge Farm, Shirley; limepits, Snelston.

T2. Morley, on railway banks, introduced, *Whittaker, C.D.* Breadsall, *Hassé C.D.*

T3. Walls and roofs at Calke, rare, *Purchas, J.B.* Between Repton Park and Bretby, *Wild Fl. Rept.* Ticknall Quarry, *Rept. F. & F.*

***V. Lychnitis** *L.*

Alien. E. *Glover*, 1829.

L. Haddon Hall, very possibly relic of cultivation, *Hb. Mason!*

V. nigrum *L. Black Mullein.*

Native. E. Banks, fields, roadsides. Local. P. July-Aug.

First record, *Pilkington*, 1789.

L. Alport, *Painter, J.B.* Abundant on broken ground near the stream.

G2. Quarry on the hillside west of Whatstandwell; perhaps a relic of cultivation, *B. & N., J.B.* Stanton, *Pilkington.*

V. nigrum × Thapsus.

L. Alport Mill, near Youlgreave, *Miss Armitage.*

G2. Quarry on the hillside west of Whatstandwell, *B. & N., J.B.*

[V. virgatum *Stokes.*

Casual. AE.

G2. Rowsley, *Hb. W.R. Linton.*

T2. Chellaston, *Painter, Nat^t.*]

***V. Blattaria** *L. Moth Mullein.*

Denizen. E. Arable land, waysides. Rare. B. July-Sept.

First record, *Glover*, 1829.

L. Haddon, *Glover.*

G2. Crich, *Nowers.*

C. Hardwick, *Drabble.*

T1. Arable land, Osmaston-by-Ashbourne, *Smith MSS.*

[V. phlomoides *L.*

Casual.

L. Near Buxton, *Ley, B.E.C. Repp.*, 1870 and 1872.]

LINARIA *Mill.*

***L. Cymbalaria** *Mill Ivy-leaved Toadflax.*

Denizen. Walls. Frequent. P. April-Nov.

First record, *Pilkington*, 1789. *Antirrhinum cymbalaria.*

L. Cromford; Wirksworth, *Gibbs.* Walls at Ashford, *Baker, J.B.* Wormhill, Miller's Dale, *West, J.B.* Matlock Bath, *Painter, J.B.*

G1. R. Derwent up to Derwent Chapel, *Trent, C.M.* Grindsbrook, Edale.

G2. Walls near Overton Hall, Ashover, *Bailey, B.L. Rec.*, 1881-2, 242. Hassop, *Hb. Salt.* Near Hathersage, *Painter, Nat^t.*

C. Old wall, Coxbench, *Whittaker*, *Phyt.* Nether Loads, Brampton; Cutthorpe. S. Normanton; Wingerworth, *Pilkington.*

P. Glapwell. Pleasley, *Pilkington.*

T1. Shirley Bridge, *Smith*, *MSS.* Brailsford; Birch House Farm, Ednaston.

T2. Risley, *Hassé*, *C.D.* Sawley, *Trent*, *C.M.* Morley, *Glover.*

T3. Bretby, *Gibbs.* Calke, *Bloxam.* Anchor Church, *Nowers.* Stanton-by-Bridge, *Painter*, *Nat*^{t}. Repton, on cricketfield wall, *Wild Fl. Rept.*

L. Elatina *Mill.* Top. Bot. 296, "Howitt Cat."

Native. E. Arable land. Local and rare. A. July-Sept.

First record, *Pilkington*, 1789. *Antirrhinum elatine. Sharp-pointed Fluellin.*

C. Seen only once or twice at the Hague, Renishaw, *Waterfall*, *C.D.* Fritchley; Wingerworth. Pinxton; Boozwood, near Holbrook, *Pilkington.*

T3. Calke, *Bloxam.*

***L. repens** *Mill.*

Casual. E.

T2. Near Hill Top, Breadsall, *Whittaker*, *Phyt.*

L. vulgaris *Mill. Yellow Toad-flax.*

Native. BE. Banks, fields, waste places. Frequent. P. July-Sept.

First record, *Pilkington*, 1789. *Antirrhinum linaria.*

L. Up to 350 yards at Buxton, *Rogers.* Dry banks, Matlock, *B. & N.*, *J.B.* Bradwell Dale, *Painter*, *Nat*^{t}. Upper part of Dove Valley only, *Purchas*, *J.B.*

G1. Railway bank, Bugsworth; near Thornhill, Ashopton.

G2. Wirksworth, *Gibbs.* Ambergate; Hillcliff Lane, Idridgehay.

C. Bank of R. Rother, near Renishaw, *Waterfall.* Beighton to Eckington; near Wingerworth, *Gibbs.* Kirk Hallam; Dale; Mapperley; Denby; Codnor. Pinxton, *Pilkington.*

P. Scarcliffe; Langwith; Clowne; Whitwell.

T1. Wyaston, *Smith MSS.* Frequent about Derby, *C.D.* Mickleover; Findern, *Bindley.* Windley; Brailsford, in Slack Lane; Egginton Station; Foston.

T2. Breadsall, *Glover.* Near Trent Station; Sawley.

T3. Near Calke, *Purchas*, *J.B.* Bretby, *Gibbs.* Willington Station, *Wild Fl. Rept.* Egginton Common.

L. viscida *Mœnch. L. minor* Desf.

Colonist. E. Arable land, railway banks. Becoming frequent. A. June-Sept.

First found, *Salt*, 1801; first record, *Glover*, 1829.

L. Miller's Dale; near Peak Forest Station, *Painter*, *J.B.*

G1. Waste ground, Bamford Station.

G2. On ballast at Whatstandwell, *B. & N.*, *J.B.* Hockley Pit, Ashover, *Smith MSS.* Near the Cromford Canal, *Rogers.* Wirksworth Station, *Gibbs.*

C. On railway at Millhouses, *The Naturalist.* Cornfields between Sheffield and Norton, *Hb. Salt.* On ballast at Hartington Pits, near Staveley, *Waterfall.* Railway between Chesterfield and Clowne, *Painter, Natt.* Tapton, *Drabble.* Dronfield and Dore Stations, abundant; Wingerworth; Sutton Station.

P. Clowne; Elmton; Langwith Junction; Pleasley; Cresswell.

T1. Etwall Station, *Gibbs.*

T2. Railway bank, north of Long Eaton.

ANTIRRHINUM *L.*

***A. majus** *L. Snapdragon.*

Alien. *Pilkington*, 1789.

L. Garden walls at Cromford, *B. & N., J.B.* Rushall House, and Burton Abbey Wall, Matlock, *Garner.*

A. Orontium *L. Corn Snapdragon.*

Colonist. E. Cultivated land. Rare. A. July-Sept.

First record, *Pilkington*, 1789.

L. Matlock Bath, *Crewe & Whittaker.*

C. Pinxton, *Pilkington.*

T2. Breadsall, *Crewe & Whittaker.*

SCROPHULARIA *L.*

S. aquatica *L. Water Betony. S. oblongifolia* Loisel. *S. Balbisii* Hornem.

Native. E. Streamsides, ditches, wet places. Frequent. P. June-Aug.

First record, *Pilkington*, 1789.

L. Wye banks in Monsal Dale, 200 yards, *Baker, J.B.* Bakewell, *West, J.B.* Singularly absent from the valley of the Dove and its immediate surroundings; Via Gellia, *Purchas, J.B.* Carsington.

G2. Up to 250 yards in Lumsdale, *B. & N., J.B.* By the Cromford Canal, *Rogers.* Hillcliff Lane, near Ireton Wood; Ecclesbourn Brook.

C. Common about Renishaw, *Waterfall.* Killamarsh, *The Naturalist.* Pinxton, *Pilkington.*

P. Markland Grips, *The Naturalist.* Cresswell Crags.

T1. Common in watery places about Derby, *C.D.* Markeaton; Shirley Marston-on-Dove; Barton Blount.

T2. Canalside near Spondon.

T3. Calke, *Purchas, J.B.* Bretby, *Gibbs.* Tanyard Osierbed, Repton, *Wild Fl. Rept.*

Var. *cinerea* Dum.

This is the usual form in Britain, and probably all recorded here under the aggregate *aquatica* would be found to belong to the variety.

L. Via Gellia, *Purchas.* By R. Wye, Ashford; Hartle Dale, Bradwell; Scow Brook, near Hognaston.

G2. Chatsworth; banks of the Derwent, near Little Eaton.

C. Sheepbridge; Beighton; canal near Mastin Moor; New Stanton.

P. Langwith Wood; Glapwell.

T1. Between Ashbourne and Clifton, *Purchas.* Mickleover; Radbourn, *Bindley.* Hoon, Hatton; near the Dove, Sudbury; Hilton; a plant with pale lemon-coloured flowers occurs in quantity in marsh by the railway below Findern.

T2. Between Chellaston and Swarkeston, *Painter, Nat^t.* Near Trent Station; Trentlock; Sandiacre; Sawley.

T3. Repton, *Painter, Nat^t.* Drakelow; brook above Egginton.

S. umbrosa *Dum. S. Ehrharti* Stev.

Native. EI. Bushy streamsides. Very rare. P. July-Aug.

First record, *Phyt. N.S.*, 1858, 64.

G2. Near Cromford Village, *Phyt.*

T3. Burton-on-Trent, *Hb. Mason!*

S. nodosa *L. Figwort.*

Native. B. Hedgebanks, woods, ditchsides. Common. P. July-Sept.

First record, *Pilkington*, 1789.

Generally distributed. "Common up to 400 yards over Castleton," *Baker, J.B.* "Up to 300 yards over Matlock Bath," *B. & N., J.B.* "A pale flowered variety with the type in the Via Gellia," *Purchas, J.B.*

MIMULUS *L.*

***M. luteus** *L. Monkey-flower.*

Alien. Streamsides, wet places. Becoming frequent. P. July-Aug.

First record, *Rept. F. & F.*, 1881.

L. Chee Dale, *West, J.B.* Breadsall, *Painter, Nat^t.* Ashwood Dale.

G1. Stirrup wood; Mellor, *Fl. Ashton.* Hood Brook, above Hathersage.

G2. By the Derwent, below Hathersage; brook west side of Stanton Park.

P. Cresswell Crags.

T1. Damp roadside near Ashbourne, *Miss Armitage.* Ditch near the railway, Clifton.

T2. Morley Brook, naturalized, *Whittaker, C.D.* Banks of the Derwent, between Breadsall and Darley, *Crewe & Whittaker.*

T3. Knowl Hills, *Rept. F. & F.*

LIMOSELLA *L.*

L. aquatica *L. Mudwort.* Top. Bot. "Howitt sp."

Native. GE. Margins of ponds, watery places. Rare and local. A. July-Sept.

First record, *Watson's N.B.G.*, 1837.

C. Banks of Shipley Reservoir, abundantly in 1835, *Watson's N.B.G.*

T1. The Pastures, Bradley, *Purchas.*

T3. Willington; Repton Park, *Hb. Mason.* Marshy ground behind Foremark Hall, *Rept. F. & F.*

DIGITALIS *L.*

D. purpurea *L.* *Foxglove.*

Native. B. Bushy banks, heaths, woods, roadsides. Common except on limestone. B. June-Sept.

First record, *Pilkington*, 1789.

"It marks with *Pteris* the upper boundary of the agrarian region," *C.D.* "Up to 500 yards on Axe Edge," *Baker*, *J.B.* "The hills of limestone and gritstone in this neighbourhood [Wirksworth] are of nearly the same altitude, and dip into each other in a most singular manner . . . . Now the *Digitalis* grows so abundantly on the gritstone, from the summit of the hills to the bottom, that I have for years been in the habit of noticing that the different substrata may be determined by the presence or absence of this plant; for I have never seen a single plant on limestone, even where it has grown abundantly, within a few hundred yards, upon the sandstone," *W. Cambell in Loudon's Mag. Nat. Hist. Sep.* 26, 1833. In the white flowered plant, which occurs here and there with the type, the albinoism extends to the leaf-bases and petioles, which are devoid of any reddish purple hue.

VERONICA *L.*

V. hederæfolia *L.* *Ivy-leaved Speedwell.*

Native. B. Arable land, hedges, waste ground, gardens. Common. A. March-Aug.

First record, *Pilkington*, 1789.

General throughout the County. "As a garden weed at Cressbrook, about 250 yards," *Rogers*, *J.B.*

V. polita *Fr.* *Grey Speedwell.*

Native. BE. Cultivated ground. Common. A. Feb.-Oct.

First record, *Whittaker*, *Phyt.* 1847.

In all the districts; upwards of 300 yards at Buxton.

V. agrestis *L.* *Green Speedwell.*

Native. B. Cultivated ground, waste places. Common. A. Feb.-Oct.

First record, *Pilkington*, 1789.

Generally distributed. "A weed up to 250 yards" [Wye Valley], *Baker*, *J.B.* "Ascends to 300 yards" [Matlock], *B. & N.*, *J.B.*

V. Tournefortii *C. Gmel.* *V. persica* Poir. *V. Buxbaumii* Ten.

Denizen or Colonist. E. Arable land, waysides. Common. A. Feb.-Nov.

First record, *Painter*, *J.B.*, 1881.

Generally distributed, though scarcely plentiful in any district. Seen in several places up to 300 yards [Matlock], *B. & N.*, *J.B.*

V. arvensis *L. Wall Speedwell.*

Native. B. Fields, waste ground, waysides, banks. Common. A. May-Sept.

First record, *Pilkington*, 1789.

General and abundant through the County. "Frequent up to 400 yards over Castleton," *Baker, J.B.*

V. serpyllifolia *L.*

Native. B. Pastures, arable land, waysides. Common. P. April-July.

First record, *Pilkington*, 1789.

"Up to 350 yards," *Baker, J.B.*

V. officinalis *L. Speedwell.*

Native. B. Woods, banks, heathland, waysides. Frequent. P. May-Aug.

First record, *Pilkington*, 1789.

L. Buxton; Monsal Dale, *Rogers.* Matlock, *Stevens.* Great Rocks Dale.

G1. Axe Edge, near 500 yards, *Painter, J.B.* Hood Brook, Hathersage; Hague Bar, New Mills.

G2. Chatsworth; Kelstedge; Ambergate.

C. About Renishaw, *Waterfall.* Westthorpe; east of Totley; Linacre Wood, Brampton; Wingerworth; between Tibshelf and Hucknall. Pinxton, *Pilkington.*

P. Langwith wood.

T1. Mickleover; Radbourn, *Painter, Nat^t.* Dalebrook, Sudbury; Shirley. Kedleston Park; Derby, *Pilkington.*

T2. Breadsall, etc., *Crewe & Whittaker.* Morley, *Painter, J.B.*

T3. Dry hedgebanks on the Melbourne Road, *Purchas, J.B.* Near Burton-on-Trent; Knowl Hills, *Painter, J.B. & Nat^t.* Near Repton Shrubs, *Wild Fl. Rept.*

V. Chamædrys *L. Germander Speedwell.*

Native. B. Roadsides, hedgebanks. Common. P. April-July.

First record, *Pilkington*, 1789.

"Common up to 500 yards," *Baker, J.B.* "A form noted with distinctly petioled upper leaves by the Derwent, below Matlock Tor," *B. & N., J.B.*

V. montana *L. Mountain Speedwell.*

Native. BE. Woods, shady places by streams. Local. P. May-June.

First record, *Pilkington*, 1789.

L. Chee Tor woods, 250 yards, *Baker, J.B.* Via Gellia, *B. & N., J.B.* Base of High Tor, *Carr.* Miller's Dale, *C.D.* Haddon Hall, *Rogers.* Dovedale, *Purchas.* Near the cold springs, Buxton, *Jewitt.*

C. Cobnar Wood, Sheepbridge; Hardwick Wood, near Wingerworth, *The Naturalist & Gibbs.* Dale, *Hassé, C.D.* Near Nether Loads, Brampton; Walton Wood.

TI. Kirk Langley, *Painter, Nat*^{t}. Woods about Snelston Hall; copse by Shirley brickyard; by Brook Farm, Cubley. Nutwood, Darley, near Derby, *Pilkington.*

T2. Copses N.W. of Hopwell Hall, *Smith MSS.* Bartlewood; Breadsall; *Hassé, C.D.* Dale Abbey Woods; Morley, *Painter, J.B. & C.D.*

T3. Burton, *Hb. Mason!* Calke, *Bloxam.* Repton Shrubs, *Painter, J.B.*

V. scutellata *L. Marsh Speedwell.*

Native. B. Marshes, moist heathland, ditches. Local. P. June-Aug.

First record, *Pilkington*, 1789.

L. Chee Dale.

GI. Axe Edge, *West, J.B.* Near the S.W. corner of the Reservoir. Chapel-en-le-Frith, *Barker.* Combes Moss, *Painter, J.B.* Near the Snake Inn.

G2. Umberley Brook, near Chatsworth.

C. Morley Moor, *Crewe & Whittaker.* Bog at Holymoorside, *Drabble.* Great Pond, Wingerworth; Sutton Scarsdale; Ault Hucknall.

P. Cresswell Crags; Markland Grips.

TI. Between Wyaston and Osmaston Brook, *Miss Sandford.* Near Derby, and in ditches on the Ashbourne Road, and Allestree, *Glover.* Near R. Dove, Clifton.

T2. Marsh at Sawley Junction.

T3. Calke, *Bloxam.* Near Burton-on-Trent, *Painter, J.B.* Egginton Heath, *Pilkington.*

V. Anagallis-aquatica *L. Water Speedwell. V. Anagallis* L.

Native. B. Ditches, ponds, streams. Frequent. P. June-Aug.

First record, *Pilkington*, 1789.

L. Wye Valley, 350 yards, *Baker, J.B.* R. Dove; Cromford Dale, *B. & N., J.B.* Via Gellia, *Gibbs.* Matlock, *Stevens.* Chee Dale, *Waterfall.* Ashwood Dale, *Jewitt.* Haddon, *Bindley.*

G2. By the Derwent above Allestree; below Bubnell Cliff, Baslow.

C. S. Normanton, *Pilkington.*

P. Cresswell, *Painter, Nat*^{t}.

TI. Longford, towards Boylestone; Barton Fields; near the Dove, Sudbury.

T2. Breadsall, *Whittaker, Phyt.*

T3. Calke, *Bloxam.* Repton, *Wild Fl. Rept.*

Var. *anagalliformis* Bor.

L. Watercourse near the Pig of Lead, Cromford, *Bailey, B.L. Rec.*, 1884-6, 131. Brough; Ashford; Middleton Dale; Chee Tor; Brightgate, Matlock.

P. Near Nether Langwith.

T1. Foston, near Norbury.

T2. Sandiacre; Long Eaton; Sawley.

T3. By the Dove, Egginton.

V. Beccabunga *L. Brooklime.*

Native. B. Ditches, streams, ponds. Common. P. May-Aug.

First record, *Pilkington*, 1789.

Common in swamps. "Up to 500 yards," *Baker, J.B.*

EUPHRASIA *L.*

E. officinalis *L. Eye-bright.*

Native. B. Heathland, pastures, roadsides. Frequent and rather local. A. June-Sept.

First record, *Pilkington*, 1789.

Locally abundant. "Common up to 500 yards," *Baker, J.B.*

Var. *stricta* Host.

G2. Old limestone quarry, Fallgate, Ashover.

T1. Roadside between Rodsley and Yeaveley.

stricta × ? *Rostkoviana*. *E. hybrida* Wettst.

T1. Edlaston Coppy.

Var. *brevipila* Burnat & Gremli.

L. The Winnatts, Castleton; at Wardlow; Chee Dale.

G1. Combes Moss; near the Snake Inn.

G2. Near the large pond, Chatsworth; Bar Brook, above Baslow.

Var. *nemorosa* H. Mart.

L. Matlock (*H. & J. Groves*, 1881), and near Buxton (1884), *J.B.*, 1897. Bradwell.

G2. Ambergate; Fallgate, Ashover, and above Woolley.

C. Near Millthorpe; Barlborough.

P Markland Grips; Scarcliffe Park; near The Walls, Whitwell.

T1. By Yeldersley Rough, near Ashbourne, *B.E.C. Rep.*, 1889, 279.

nemorosa × *Rostkoviana*. *E. glanduligera* Wettst.

L. Buxton, *Townsend*, *J.B.*, 1897.

T1. Edlaston Coppy.

Var. *curta* Fr. *B.E.C. Rep.* for 1900, 1901.

L. Back Dale, near Hindlow, the v. *glabrescens* Wetts., *B.E.C. Rep.*, 1902.

G1. Poor Piece, Slackhall, near Chapel-en-le-Frith; roadside near Ladybower Inn, Ashopton.

C. Near the Peacock Inn, 1,100 ft.

T1. Between Osmaston and Ladyhole, near Ashbourne, the v. *glabrescens*, *B.E.C. Rep.*, 1902.

Var. *gracilis* Fr.

L. Buxton, *Hb. Mason!* Taddington, *Crewe & Whittaker.*

Var. *Rostkoviana* Hayne.

L. Buxton, *Townsend* (1884), *J.B.*, 1897. Side of field near Wardlow Hay Cop, *Melvill in B.E.C. Rep.* for 1898.

G2. Near the large pond in Chatsworth Park.

P. Near The Walls, Whitwell, and Whitwell Wood; near Upper Langwith.

Var. *campestris* Jord.

L. Buxton, *Townsend*, *J.B.*, 1897.

Var. *Kerneri* Wettst.

L. Near Matlock, *H. & J. Groves* (1881), *J.B.*, 1897. Dirty Rake, near Longstone Edge.

BARTSIA *L.*

B. Odontites *Huds. Red Eye-bright. Red Rattle. Odontites rubra* P. *Euphrasia Odontites* L.

Native. B. Arable land, waysides, waste ground. Frequent. A. June-Aug.

First record, *Pilkington*, 1789.

L. Wye Valley, up to 250 yards at Chee Tor, *Baker, J.B.* Dovedale; Matlock, *B. & N., J.B.* Bradwell; Hope, *Painter, Nat^t.* Pin Dale; Brough; Dirty Rake, near Eyam; near Great Hucklow.

G1. Near Stirrup Wood, *Fl. Ashton.* Near Lose Hill.

G2. Near the Cromford Canal, *Rogers.* Wirksworth, *Gibbs.* Shatton; Froggatt.

C. About Renishaw, *Waterfall.* Holmesfield, *Painter, Nat^t.* Coal Aston; Loscoe; near Crowhole, Barlow; West Hallam. Pinxton, *Pilkington.*

P. Bolsover.

T1. Boylestone, *Gibbs.* Mickleover, *Painter, Nat^t.* Radbourn Lane, *Glover.* Grassy places about Derby, *C.D.* Shirley; Hoon, near Hatton; Yeldersley.

T2. Ockbrook, *Painter, Nat^t.* Breadsall, *Glover.* Risley Park.

T3. Near White Lees, Ticknall, *Purchas, J.B.* Bretby, *Gibbs.* Brook End, Repton, *Wild Fl. Rept.* Between Milton and Repton Rocks, *Rept. F. & F.* Egginton Common.

Var. *verna* (Reichb).

C. Hollins, near Old Brampton.

Var. *serotina* (Reichb).

L. Miller's Dale, *Waterfall, Suppt. to Watson's B.E.C. Rep.*, 1899.

G2. Fallgate, near Ashover.

C. Cordwell, near Unthank.

PEDICULARIS *L.*

P. palustris *L. Marsh Lousewort.*

Native. B. Bogs, marshes. Local. A. June-Sept.

First record, *Pilkington*, 1789.

G1. Woodseats, near Castleton.

G2. Tansley Moor, *Stevens.*

P. Scarcliffe Park Wood; near the Walls, Whitwell. Pleasley, *Pilkington.*

T1. Quarndon Common, *Glover.* Bog below Bradley Wood. Mackworth, *Pilkington.*

T2. Breadsall, *Glover.*

T3. Bog at Foremark Park, *Purchas, J.B.* Repton Rocks, *Wild Fl. Rept.*

P. silvatica *L.* *Heath Lousewort.*

Native. B. Heathland, pastures, waysides, woods. Frequent. A. May-Sept.

First record, *Pilkington*, 1789.

L. Matlock, *Stevens.* Bradwell, *Painter, Nat*[t]. Thorpe, *Rowland, C.D.* Longstone Edge; Brightgate, near Matlock Bridge.

G1. Chinley; Combes Moss; near the Snake Inn; Allport Dale.

G2. Dethick Moor; Wigwell Park, *Gibbs.* Whatstandwell, *Bindley.* Shatton; near Hathersage; Froggatt.

C. Fields between Norton and Eckington; Dore Moor, *The Naturalist.* Near Renishaw, *Waterfall.* Brackenfield Green. Pinxton, *Pilkington.*

T1. Mickleover, *Painter, Nat*[t]. Shirley; Longford; Cubley Common; Radbourn; marshes below Findern.

T2. Ockbrook; Morley, *C.D.* Breadsall, *Glover.*

T3. Foremark, *Hagger, C.D.* Winshill, *Nowers.* Repton Rocks, *Wild F Rept.*

RHINANTHUS *L.*

R. Crista Galli *L.* *Yellow Rattle.*

Native. B. Meadows, pastures, waysides. Common. A. May-July.

First record, *Pilkington*, 1789.

Abundant everywhere. "Common up to 500 yards," *Baker, J.B.*

Var. *stenophyllus* (Schur.).

C. Near the Peacock Inn, Owler Bar.

T1. Brailsford to Mercaston; abundant in and about Shirley.

MELAMPYRUM *L.*

M. pratense *L.* *Cow Wheat.*

Native. B. Heaths, bushy places, woodland. Local. A. June-Aug.

First record, *Pilkington*, 1789. *M. sylvaticum.*

L. Matlock, *Pilkington.*

G1. Charlesworth, *Fl. Ashton.* Hayfield, *Bindley.* Near Goyt's Bridge; Jagger's Clough; near the Snake Inn, Ashopton; Hood Brook, Hathersage; Upper Hurst Brook, Bamford.

G2. Tansley Moor, *Stevens.* Eyam Moor; Froggatt; by the Derwent, below Mytham Bridge; Bar Brook, above Baslow; Redcar Brook, above Dore.

C. Barlow Lees; The Moss, Mosbrough; between Troway and Norton; east of Totley; Nether Loads, Brampton; Moor Lawn Copse, Holymoorside. Morley Moor, on the side nearest to Horsley Castle, *Glover.*

T1. Yeldersley Lane; Shirley Park.

T2. Morley, *Painter, Nat*[t].

T3. Calke, *Bloxam.* Wood near Repton Rocks, *Rept. F. & F.*

Var. *ericetorum* D. Oliver.

G1. Charlesworth Coombs, *Fl. Ashton.*

Var. *montanum* Johnst.

C. Breadsall Moor, *Crewe & Whittaker.* Moors above Holymoorside, *Drabble.*

OROBANCHACEÆ.

OROBANCHE *L.*

O. major *L.* *Greater Broom-rape.* *O. Rapum* Thuill. Top. Bot., 299.

Native. E. Parasitical on broom and gorse. Very rare. P. June-July.

First record, *Pilkington*, 1789.

L. Top of Hag Tor, *Gem of the Peak.* In the highest part of the woods upon the rock opposite Matlock Bath, *Glover.* *Stevens* records probably the same, but gives the name of *O. elatior.*

G2. Stanton Moor, *Hassé, C.D.* Little Eaton, *Glover.*

C. Between Holbrook and Alfreton, *Pilkington.*

T2. Dale Hills, *Crewe & Whittaker.*

T3. Repton Rocks, near the pond, *Wild Fl. Rept.*

***O. ramosa** *L.*

Casual. *Glover*, 1829.

T3. In a young fir plantation by the side of a high cornfield, at Ingleby, near Anchor Church, *Glover.*

O. minor *L.*

Native. E. Cloverfields, waste ground. Very rare. P? or A? July-Aug.

First record, *Crewe & Whittaker*, 1864.

T2. Cloverfields, Breadsall, *Crewe & Whittaker.*

LATHRÆA *L.*

L. Squamaria *L.* *Broom-rape.*

Native. E. Parasite on roots of hazel, laurel, &c. Local and rare. A. April-May.

First record, *Withering*, 1789.

L. Via Gellia; Matlock Bath; Monsal Dale, *Painter, J.B.* On laurels at Churchdale, Ashford, *Miss Fenton.*

G1. Near Strines towards Marple, *Barker.* Stirrup Wood, *Fl. Ashton.* Mellor, *Painter, J.B.*

G2. Derwent Bank, near Cromford Station, *Gibbs.*

C. Dale Abbey, on hazel and elms, tolerably plentiful, *B.L. Rec.*, 1873, 22.

P. Pleasley Park, *Pilkington.* Whitwell, *Friend.*

T2. Ockbrook, *Smith MSS.*

T3. Calke Park, *Wild Fl. Rept.* On laurel roots at Calke Abbey, I believe now extinct, *Purchas, J.B.*

LENTIBULARIEÆ.

UTRICULARIA *L.*

U. vulgaris *L.* *Bladderwort.* Top. Bot. "Bloxam sp."

Native. B. Pools, slow streams. Very rare. P. July-Aug.

First record, *Glover*, 1829.

T3. Ponds near Swarkeston Bridge, formerly, *Painter*, *J.B.* Old Trent pools, Repton, *Wild Fl. Rept.*

PINGUICULA *L.*

P. vulgaris *L.* *Butterwort.*

Native. SB. Bogs and marshes, woods and rillsides in mountains. Local. P. May-July.

First record, *Pilkington*, 1789.

L. Monk's Dale, Wormhill, 350 yards, *West*, *J.B.* Near Bradwell, *Painter*, *Nat*^{t}. Rocks opposite Pigg Tor, Buxton, *Jewitt.* Topley Pike, *C.D.* Brook Bottom, Tideswell; Conies Dale, Peak Forest; rocks on the north side of Eldon Hill.

G1. Buxton Old Road, near Wythen Lache, *Barker.* Kinderscout, *Fl. Ashton.* Foot of Axe Edge; Hadfield, *Painter*, *Nat*^{t}. *& J.B.* Side of Win Hill, *Gibbs.* R. Sett, south of Hayfield; Jagger's Clough.

G2. Moors near Dore, *The Naturalist!* Woodland at Froggatt, *Linton.* Burbage Brook; Umberley Brook, near Chatsworth.

P. Swampy ground, east side of Scarcliffe Park Wood.

T1. Boggy ground, south of Old Covert, Mugginton, *Feilden.*

VERBENACEÆ.

VERBENA *L.*

V. officinalis *L.* *Vervain.*

Native. E. Dry places on gravel or limestone. Rare and local. P. July-Sept.

First record, *Pilkington*, 1789. *Simpler's Joy.*

L. Bottom of the Via Gellia, *B. & N.*, *J.B.* Winster, *Milnes*, *C.D.*

G2. Duffield Bridge, *Glover.*

T1. Quarndon; Mackworth, near Mr. Bennet's and the Church, *Pilkington.*

T2. Between Ockbrook and Borrowash, *Smith MSS.* Little Chester; Morley, *Whittaker*, *Phyt. & Painter*, *J.B.*

T3. Calke, *Rept. F. & F.*, in one spot only, *Purchas*, *J.B.* Winshill, *N.H.*, *Tutb.* Linton; Melbourne, *Painter*, *J.B.*

LABIATÆ.

MENTHA *L.*

M. rotundifolia *Huds.* Top. Bot. "Derby ? Wood in Phytol."

Native? E. Damp grass, banks of streams. Very rare. P. Aug.-Sept.

First record, *Glover*, 1829.

L. Miller's Dale, *Painter, J.B.* Mill Dale, *Hb. Mason !*

T1. Waste ground near Kedleston Rectory, *Bindley.* Near a brook on the Uttoxeter Road, *Glover.*

T3. Repton, *Wild Fl. Rept.*

M. alopecuroides *Hull.*

Denizen. Waste places, roadsides. Rare. P. Aug.-Sept.

First record, *The Flora.*

C. Brackenfield Green; roadside, Wessington.

G2. Ambergate; Kelstedge.

T1. Escape, by the Hollies Farm, Yeldersley.

M. longifolia *Huds. Horse Mint. M. silvestris* L.

Native. E. Riversides, watery places. Local. P. Aug.-Sept.

First record, *Pilkington*, 1789.

L. Cromford Dale; bottom of the Via Gellia, *B. & N., J.B.* In one spot only in Dovedale, *Purchas, J.B.* By R. Bradford, below Youlgreave.

G2. Lindup Wood, *Gem of the Peak.* Laneside near Beeley Hill Top.

C. Pinxton, *Pilkington.* Aldercar, *Painter, J.B.*

T1. Near Marston Montgomery, *Smith MSS.* (See *B.E.C. Rep. for* 1897, 560).

T2. Banks of R. Derwent, Breadsall, *Crewe & Whittaker.*

T3. Calke, *Purchas, J.B.* Repton, near the Tan-yard, *Wild Fl. Rept.*

Var. *nemorosa* Willd.

L. Near the Pig of Lead, Cromford, *Bailey, C.D.!* On the Cromford plant M. Malinvaud remarked in litt.: "Proles hybrida e *M. rotundifolia* et *silvestri.*"

***M. viridis** *L. Spear Mint.*

Alien. Streamsides, pastures, waste places. Rare. P. Aug.-Sept.

First record, *Glover*, 1829.

L. Banks of the Lathkil, below Alport, *Watson's N.B.G.*

G2. Banks of the Derwent, Duffield, *Glover.* Beeley.

T1. Shirley Brook, below the Mill; Green Lane, Norbury.

T2. R. Derwent, near Breadsall, *Watson's N.B.G.*

M. piperita *L. Peppermint.*

Native. E. Ditches, streamsides, damp ground. Frequent. P. Aug-Sept.

First record, *Pilkington*, 1789.

L. Cromford Dale, fully native, *B. & N., J.B.* In a mountain rivulet in Bonsall Dale, *Sm. Eng. Fl.* Via Gellia, *Crewe & Whittaker.*

G1. Near Higher Crossings, and at Tunstead, Chapel-en-le-Frith; Hood Brook, Hathersage. Pingett Wood, Low Leighton, *Pilkington.*

G2. Cromford Canal, south of Whatstandwell Railway Station, *B. & N.*, *J.B.* Wet meadows, Lea Bridge, *Miss Armitage.* By the brook south east of Belper; near Ireton Wood towards Cross-o'-th'-Hands; Abney Clough; Bramley, near Hassop; Baslow; Kelstedge.

C. Roadside, Calow; Westthorpe; between Greenhill and Bradway; Brackenfield Green. S. Normanton, *Pilkington.*

P. Upper Langwith.

T1. Ashbourne; between Repton Common and Cubley, *Smith*, *MSS.* Yeaveley; Cockshead Lane; Barton Park.

T3. Winshill, *Painter*, *J.B.* Anchor Church, *Glover.*

M. hirsuta *Huds.* *Water Mint.*

Native. B. Riversides, canals, ditches, marshes. Common. P. Aug.-Sept.

First record, *Pilkington*, 1789.

General through the County. "Wye Valley, up to 350 yards," *Baker*, *J.B.*

Var. *subglabra* (Baker).

T3. Burton-on-Trent, *Hb. Mason!* Bretby, *Nowers.*

Var. *citrata* (Ehrh.).

Wet ditch in Derbyshire where it does not flower, *Miss Stubbs*, 1876; "I think this is rightly named," *Boswell*, *B.E.C. Rep.*, 1876, 28.

M. sativa *L.* *M. arvensis* × *hirsuta* F. Schultz.

Native. BE. Streamsides, ditches, pools, wet places. Frequent. P. Aug.-Sept.

First record, *Pilkington*, 1789.

L. Monsal Dale; Miller's Dale, 250 yards, *Baker*, *J.B.* Matlock, *B. & N.*, *J.B.* Youlgreave, *Painter*, *J.B.* Via Gellia, *Rogers.* Brough; Hope Station.

G1. Between Bugsworth and New Mills, *Rogers.* Near Castleton; Hathersage, and Hood Brook.

G2. Abney Clough; Froggatt; Grindleford Bridge; millpool above Woolley, Ashover Hay.

C. Canal north of Chesterfield; by pool one mile east of Killamarsh; by Pebley Pond.

T1. Shirley; Longford, *B.E.C.*, *Rep.*, 1890, 308.

T2. Derby, *Painter*, *J.B.*

T3. Burton-on-Trent, *Harris*, *C.D.*

Var. *paludosa* (Sole).

L. Monsal Dale, *Baker*, *J.B.* Matlock, *B. & N.*, *J.B.* Chee Dale, *Waterfall.*

G1. Between Castleton and Back Tor; between Hope and Edale.

G2. Cromford Canal, *Rogers.*

C. Brackenfield Green.

T1. About Dog Lanes, Atlow; Sudbury, by the railway, towards Scropton.

Var. *subglabra* Baker.

L. Pin Dale, near Castleton.

M. rubra *Sm.*

Native. E. Pond margins, ditchsides, riverbanks. Rather rare. P. Aug.-Sept.

First record, *Glover*, 1829.

G1. Between Milton and Hilltop, Whaley Bridge.

G2. Beeley Hill Top; between Shottle and Shottle Gate.

C. Walton Wood; Freebirch, Old Bampton; by Great Pond, Wingerworth; Press Reservoirs.

T1. Shirley Mill; by pond below Yeldersley Hall; Hulland Ward Gate, and south side of Hulland Moss; near Eaton Wood.

T2. Moor Lane Top to Green Lane, Ockbrook, *Smith MSS.*

T3. Near the Pot Works, Ticknall, *Purchas, J.B.*

M. gentilis *L.*

Native. *E.* Watery places, streamsides. Rare. P. Aug.-Sept.

First record, *Rogers, B.L. Rec.*, 1884.

L. By R. Wye in Miller's Dale, two or three plants, *Rogers, J.B.* Thorpe, *Nowers.* Chee Dale, near Blackwell Mill.

G1. Between Bamford and Mytham Bridge.

G2. Abney Clough; Shatton; a little south of Fox House Inn, and by Burbage Brook, the latter plant approaching *M. rubra.*

Var. *Wirtgeniana* F. Schultz.

G1. Hope, *Hb. Mason!*

M. arvensis *L. Field Mint.*

Native. B. Fields, ponds, ditches, wet places. Frequent. P. July-Sept.

First record, *Pilkington*, 1789.

L. Cornfields, Wormhill, 350 yards, *West, J.B.* Cultivated ground, rare, Matlock, *B. & N., J.B.* Youlgreave; Kingsterndale, *Painter, J.B. & C.D.* Longstone Moor.

G1. Near Glossop; Edale, at Ladybower; Hope Station; Hood Brook, Hathersage.

G2. Belper; near Owler Tor; Curbar; Ambergate.

C. Loscoe.

T1. Shirley; Church Broughton; Etwall; Blackwall.

T2. Spondon Fields, *Smith MSS.* Breadsall, *Crewe & Whittaker.* Near Locko, *C.D.*

T3. About Calke and Repton, *Purchas, J.B.* Burton-on-Trent, *Painter, J.B.*

Var. *Nummularia* (Schreb.).

T1. Yeldersley, near the Hollies Farm, *B.E.C. Rep.*, 1890. 308.

T3. Repton Shrubs, *Hb. Mason!*

Var. *agrestis* (Sole).

G1. Ashopton.

Var. *præcox* (Sole).

G2. Near Chatsworth.

C. Near Barlow.

Var. *Allionii* (Bor.).

T1. The Old Waste, Darley Moor, north of Cubley, *B.E.C. Rep.*, 1888, 187.

A form between *M. arvensis* and *M. sativa* occurred at Shirley (T1.), *B.E.C. Rep.*, 1889, 266.

M. Pulegium *L. Penny Royal.*

Native. E. Wet heaths, pond margins. Very rare. P. July-Sept.

First record, *Pilkington*, 1789.

C. Near Beighton, about eight miles from Sheffield, *Hb. Salt*, 1800. Pinxton, *Pilkington.*

T1. Radbourn and Langley Commons, *Pilkington.*

T2. Ockbrook Common, *Pilkington.*

The plant is extinct at most if not all the above stations, and has not been observed in the County in recent years.

LYCOPUS *L.*

L. europæus *L. Gipsywort. Water Horehound.*

Native. B. Streams, ditches, ponds, wet places. Frequent. P. July-Sept.

First record, *Pilkington*, 1789.

G2. Ambergate.

C. About Renishaw, *Waterfall.* Ault Hucknall; Loscoe; canal below Mastin Moor; near Shipley Gate; New Stanton; Alfreton. S. Normanton; Pinxton, *Pilkington.*

P. By Cresswell Crags.

T1. Near Yeaveley Church, *Smith MSS.* Edlaston, towards Norbury, *Miss Sandford.* Burnaston; Findern, *Painter*, *Nat*^{t}. Between Brailsford and Mercaston, in Wood Lane; Hatton; between Longford and Boylestone.

T2. Canal near Breadsall, *Whittaker*, *Phyt.* Derby, *Painter*, *J.B.* Borrowash, by canal; Sandiacre; Sawley; Long Eaton.

T3. Ponds in Calke Park, *Watson's N.B.G.* Bretby Park; Repton Rocks; Foremark Bottoms, *Gibbs.* Burton, *Hb. Mason!* Repton, *Wild Fl. Rept.*

ORIGANUM *L.*

O. vulgare *L. Marjoram.*

Native. BE. Dry banks, mostly on limestone. Locally abundant. P. July-Sept.

First record, *Pilkington* 1789.

L. Ascends to 400 yards at Peveril Castle, *Baker, J.B.* About Buxton; Castleton; Dovedale; Youlgreave, *Painter, J.B.* Chee Dale; Matlock Bath, *Rowland, C.D.* Cromford; Wirksworth, *Gibbs.* Ashford, white-flowered; Bradwell; Conies Dale, Peak Forest.

G2. Crich, *Pilkington.* Stokemoor Wood, near Grindleford Bridge; Fallgate, Ashover.

P. Bolsover; Clowne; Elmton; Cresswell, and Cresswell Crags.

T1. Limepits, Snelston Common.

T2. Breadsall, *Whittaker, Phyt.*

THYMUS *L.*

T. Serpyllum *Fr. Wild Thyme.*

Native. B. Limestone dales, dry pastures, heathy banks. Locally abundant. P. July-Sept.

First record, *Pilkington*, 1789.

L. Buxton; Castleton; Dovedale, *Painter, J.B.* Matlock Bath, *Rowland, C.D.* Diamond Hill, *Rogers.* Middleton Dale, *Hb. Salt.* Oxlow Rake; Bradwell; Ashford; Longstone Edge.

G1. Common up to 500 yards, *Baker, J.B.* Near Hayfield, *Fl. Ashton.* Win Hill.

G2. Baslow, *Painter, J.B.* Eyam Moor; near Calton House, Chatsworth.

P. Roadside near Bolsover; Clowne; Elmton; Scarcliffe; Markland Grips; Houghton.

T1. Limekilns near Snelston, *Miss Sandford.* Turnditch, *Painter, Nat^t.* Littleover; Radbourn Common, *Pilkington.*

T3. Between Crewe's Pond and Bretby, *Rept. F. & F.* Calke, *Bloxam.* Burton-on-Trent, *Painter, J.B.* Linton, sparingly, approaching the form *Chamædrys, N.H. Tutb.*

CALAMINTHA *L.*

C. Clinopodium *Spenn. Wild Basil.*

Native. BE. Hedgebanks, waysides, woods, pastures. Frequent. P. July-Sept.

First record, *Pilkington*, 1789.

L. Lathkil Dale; Via Gellia; Monsal Dale; Bradwell, *Painter, J.B. & Nat^t.* Matlock, *Barrow.* Up to 350 yards [Wye Valley], *Baker, J.B.* Ashwood Dale; Miller's Dale, *Rogers.* Dovedale; between Thorpe and Mappleton, *Purchas, J.B.* Middleton Dale.

G2. By the Cromford Canal, *Rogers.* Wirksworth, *Gibbs.* Manners Wood, near Bakewell.

P. Bolsover; Palterton; Clowne; Scarcliffe; Cresswell Crags. Glapwell, *Pilkington.*

T1. Mickleover, *Painter, Nat^t.* Near Meynell Langley; about Allestree and Quarndon; Longford

T2. Breadsall, &c., *Crewe & Whittaker.* Sandiacre. Chaddesden Turnpike, *Pilkington.*

T3. Calke, *Purchas, J.B.* Bretby, *Gibbs.* Burton-on-Trent, *Painter, J.B.* Repton Rocks, *Wild Fl. Rept.*

C. arvensis *Lam. Basil Thyme. C. Acinos* Clairv.

Native. BE. Dry fields and banks. Local. A. June-Sept.

First record, *Pilkington*, 1789. *Thymus acinos.*

L. Flagg Dale, Wormhill, 300 yards, *West, J.B.* Monsal Dale, *Miss Fenton.* Youlgreave; Stony Middleton Dale, *Watson's N.B.G.* Dovedale, *Painter, J.B.* Brassington Rocks, *Gibbs.* High Peak Railway, Matlock, *Stevens.* Bonsall, *Crewe & Whittaker.* Between New Inn and Lode Mill, *Purchas.* Cressbrook Dale.

C. Holbrook, *Whittaker, Phyt.*

P. Glapwell, *Pilkington.*

T1. Limekilns, near Snelston, *Miss Sandford.*

T3. Between Ticknall and Repton, *Purchas, J.B.* Foremark, *Painter, J.B.*

C. parviflora *Lam. Lesser Calamint. C. Nepeta* Sav.

Native. EG. Dry banks. Very rare. P. August.

First record, *Pilkington*, 1789.

C. S. Normanton, *Pilkington.* Was this a mistake? Pilkington does not mention the commoner *C. officinalis.*

T2. Ockbrook, *Bland* (1875) *in Smith MSS.*

C. officinalis *Mœnch. Calamint. C. menthæfolia* Host.

Native. E. Limestone rocks, dry banks. Local and rather rare. P. July-Sept.

First record, *N.H. Tutb.*, 1863.

L. Via Gellia; Cromford, *Milnes, C.D.* Matlock Bath, *Rowland, C.D*

P. Cresswell Crags.

T2. Morley, *Crewe & Whittaker.* Ockbrook, *Painter, J.B.*

T3. Gravel pit, Repton Park (*Bloxam*), *Purchas, J.B.* Linton, *Painter, J.B.*

***Salvia pratensis** *L. Meadow Clary.*

Alien. G.

G2. Crich, *Pilkington.*

T3. Swarkeston, *Wild Fl. Rept.*

NEPETA *L.*

N. Cataria *L. Catmint.*

Native. EG. Hedges, dry stony or rocky places. Rare. P. July-Sept.

First record, *Glover*, 1829.

L. Matlock, *Stevens.* Via Gellia, *Crewe & Whittaker.*

P. Cresswell Crags.

T3. Ticknall, *Purchas, J.B.*, 1891, 344. In the Park, Calke, *Bloxam.* Linton, *N.H. Tutb.*

N. Glechoma *Benth. Ground Ivy. Glechoma hederacea* L.

Native. B. Hedges, banks, pastures, woods. Common. P. April-July.

First record, *Pilkington*, 1789. *Gill. Robin-run-in-the-hedge.* Common everywhere. "Up to 450 yards near cottages over Burbage," *Baker, J.B.* "Mr. Hardcastle found for many successive years a beautiful pure white variety growing in a shady corner by the brook which runs through the meadows between the Uttoxeter Road and Thornhill Farm," *Glover.* A white flowered variety near Ashbourne, *Garner.* The form *hirsuta* at Burton, *Hb. Mason.*

SCUTELLARIA *L.*

S. galericulata *L. Skull-cap.*

Native. B. Ponds, canals, streams, wet places. Not uncommon. P. June Sept.

First record, *Pilkington*, 1789.

G1. Backtor Wood, Edale, 300 yards, *Linton.*

G2. Cromford Canal, *Rowland, C.D.* Lumsdale Reservoirs, abundant, and banks of canal at Whatstandwell, *B. & N. J.B.* Under Birchen Edge, and by Bar Brook, Baslow; under White Edge, above Froggatt, over 300 yards; by the Derwent, above Allestree.

C. Banks of canal, Renishaw, *Waterfall.* Loscoe; canal near Shipley Gate; near Kirk Hallam; Birleyhay, Ford; Hardwick Park and Wood; Pebley Pond; New Stanton. Pinxton, *Pilkington.*

T1. Osmaston-by-Ashbourne, *Smith MSS.* Canal, Findern; Mugginton, *Painter, Nat.* Yeldersley Lane; Shirley Park; Barton Blount; Marston-on-Dove; Breward's Car, Mugginton.

T2. R. Derwent, Alvaston; Borrowash, *Smith MSS.* Banks of Canal, Breadsall, *Crewe & Whittaker.* Thrumpton Ferry; Sandiacre; R. Erewash, near Long Eaton.

T3. Side of pond at Calke, *Purchas, J.B.* Bretby Park; Repton Rocks, *Gibbs.* Burton-on-Trent, *Painter, J.B.* Egginton.

S. minor *Huds. Lesser Skull-cap.*

Native. EA. Wet places on heaths, marshes. Very rare. P. June-Sept.

First record, *Pilkington*, 1789.

C. Abundant in Salter Sich, near the Peacock Inn; by the stream by Greave's Piece, west of Smeekley Wood; Brackenfield Green; Wessington Common. Pinxton, *Pilkington.*

T3. Calke, *Bloxam.* Repton Rocks, *Nowers*, 1883. Repton Shrubs, *Painter, J.B.*

PRUNELLA *L.*

P. vulgaris *L. Self-heal. Brunella* al.

Native. B. Pastures, waysides, waste ground. Common. P. June-Oct.

First record, *Pilkington*, 1789.

Abundant everywhere. "Common up to 500 yards," *Baker, J.B.* A white flowered form has occurred at Malcoff, Chapel-en-le-Frith (G1), and near Ford (C); and a light rose flowered form at Loscoe (C), near Hognaston towards Atlow (T1), and near Trentlock (T2).

***Melittis Melissophyllum** *L.*

Alien. A.

T1. Between Sinfin and Barrow, *Glover*, 1829.

***Marrubium vulgare** *L. White Horehound.*

Alien or Denizen. E. Waste ground, roadsides. Very rare. P. July-Oct.

L. Middleton Dale, *Pilkington*, 1789.

T3. Repton, *Wild Fl. Rept.*

STACHYS *L.*

S. Betonica *Benth. Wood Betony. Betonica officinalis* L.

Native. EB. Woodland, fields, hedges. Common. P. June-Oct.

First record, *Pilkington*, 1789.

In all the districts. "Ascends to 350 yards on the hill above Miller's Dale Station," *Rogers, J.B.*

S. palustris *L. Marsh Woundwort.*

Native. B. Streamsides, canals, moist arable land, woods. Fairly frequent. P. June-Sept.

First record, *Jewitt*, 1811.

L. R. Derwent, Matlock Bridge, *B. & N., J.B.* Near Dovedale, *Purchas.* Near Buxton, *Jewitt.* Brough, *Painter, Nat^t.* R. Wye, at Ashford.

G1. Above Castleton, under Back Tor.

G2. Near Wirksworth, *Gibbs.* Beeley; Ambergate.

C. About Renishaw, *Waterfall.* Near Codnor Park Station; pool east of Killamarsh; Denby Common; canal near Kirk Hallam; Beighton; mill pond N.E. of Fritchley.

T1. Edlaston; Yeaveley, *Smith MSS.* Findern; Mackworth, *Painter, Nat^t.* Near the Dove, Sudbury.

T2. Breadsall, *Crewe & Whittaker.* Spondon, *Painter, J.B.* Thrumpton Ferry; canal at Sandiacre; near Long Eaton.

T3. Calke Mill, *Purchas, J.B.* Drakelow, *N.H. Tutb.* Egginton, *Hb. Mason!* Burton-on-Trent, *Painter, J.B.* Osierbeds, Repton, *Wild Fl. Rept.*

S. ambigua *Sm. S. palustris × silvatica.*

Native. B. Damp hedgesides, ditches. Rare. P. June-Sept.

First record, *N.H. Tutb.*, 1863.

G1. Mellor, *Fl. Ashton.*

G2. Roadbanks, Baslow to Hassop, *Bailey, B.L. Rec.*, 1878, 11. Tansley, *Carr.*

C. Millpond N.E. of Fritchley.

T1. Between Derby and Mackworth, a form near *S. silvatica*, the leaves more ovate, the serratures more convex-sided, the flowers smaller and darker, *Purchas, J.B.* Mugginton, *Painter, Nat^t.*

T2. Morley, *Hassé, C.D.*

T3. Lower plantation, Calke, *Bloxam.* Stapenhill, *N.H. Tutb.* Willington; Linton, *Painter, J.B.*

S. silvatica *L.* *Hedge Woundwort.*

Native. B. Hedges, ditches, waysides, woods. Common. P. June-Sept.

First record, *Pilkington*, 1789.

Everywhere abundant. "Up to 400 yards near Waterloo Inn," *Baker, J.B.*

S. arvensis *L.*

Native. B. Arable land on sand or gravel. Rare. A. May-Sept.

First record, *Pilkington*, 1789.

G2. Near Duffield, *Painter, J.B.*

C. Dale, *Hassé, C.D.* Near Dore Station; Mosbrough. Pinxton, *Pilkington.*

P. Elmton.

T1. Near Bradley Park Farm.

T2. Breadsall, *Crewe & Whittaker.* Waste ground at Long Eaton.

T3. Bridle road to Swarkeston, *Bloxam.* Repton Waste, *Gibbs.* Egginton; Cauldwell, *Painter, Nat^t. & J.B.* Drakelow, *H.N. Tutb.*

GALEOPSIS *L.*

G. Ladanum *L. hb.* *G. intermedia* Vill.

Native? EB. Arable land. Very rare. A. July-Sept.

First record, *J.B.*, 1895, 186.

P. Cultivated land near Elmton.

G. angustifolia *Ehrh.* *Red Hemp Nettle.*

Native. EB. Arable land, waste ground, waysides. Rare. A. July-Sept.

First record, *Pilkington*, 1789. *Narrow-leaved Nettle.*

L. Matlock, *Smith MSS.* Monsal Dale; Peak Forest Station, *Painter, J.B.* Roadside, two or three miles from Bakewell, towards Buxton; Lathkil Dale, on the banks of the Lathkil near One Ash, *Watson's N.B.G.* Dovedale, *Purchas.*

C. Totley, *Painter, Nat^t.* (*G. Ladanum*). Pinxton, *Pilkington.*

P. Bolsover.

G. versicolor *Curt.* *G. speciosa* Mill.

Colonist. SB. Arable land, wood borders. Rare. A. July-Sept.

First record, *Bot. Guide*, 1805.

L. Youlgreave, *Purchas!* Near Arbor Low (Arbelows), *Green, C.D.* Bradwell, *Painter, Nat^t.* About Matlock Bath, *Bot. Guide.* Near Bonsall, *Drabble.* Great Shacklow Wood; Peak Forest.

G1. Hayfield, *Sunderland, C.D.*

G2. Duffield, *Bot. Guide.* Near Ball Cross, Edensor.

C. Near Renishaw, *Painter*, *Nat*^{t}. Holymoorside, *Drabble*. Cornfields by Ferriby Brook, Morley, *Crewe & Whittaker*.

T1. Mickleover, *Bindley*. Shirley.

T3. Burton, *Hb. Mason!* Egginton, *Painter*, *Nat*^{t}. Drakelow, *N.H. Tutb.* Repton, *Wild Fl. Rept.*

G. Tetrahit *L.* *Hemp Nettle.*

Native. B. Hedges, arable land, waste ground, wood borders. Common. A. June-Sept.

First record, *Pilkington*, 1789.

Generally distributed. "Miller's Dale, 250 yards," *Rogers*. Near the Snake Inn, over 300 yards. White flowered at Ladybower, Edale. "A variety with terminal flower regular, and four equal stamens, first observed in 1788 at Matlock," *Linn. Fl. Lapp.*, *2nd Ed.*, 1792.

LEONURUS *L.*

***L. Cardiaca** *L.* *Motherwort.*

Alien. Roadsides, waste places, banks. Rare. P. July-Aug.

First record, *Pilkington*, 1789. *Lion's Tail.*

L. By R. Derwent, Cromford, *Milnes*, *C.D.* Via Gellia, *Painter*, *J.B.*

C. Spital, Chesterfield, *Drabble*. Handley [near Stretton], *Pilkington*.

T1. Mackworth, *Smith MSS.*

LAMIUM *L.*

L. amplexicaule *L.* *Henbit.*

Native. B. Arable land, waste places, walls. Frequent. A. April-Aug.

First record, *Glover*, 1829.

C. Breadsall Moor, *Crewe & Whittaker*.

T1. Osmaston-by-Ashbourne, *Painter*, *J.B.* Shirley; Barton Fields; near Spread Eagle Inn, Findern.

T2. Trent College Grounds, *Trent*, *C.M.* Borrowash, *Painter*, *J.B.* Near Sawley Junction.

T3. Ingleby, *Hassé*, *C.D.* Drakelow, *Painter*, *J.B.* Repton, *Wild Fl. Rept.*

***L. intermedium** *Fr.*

Casual?

T3. Drakelow, *Nowers*, 1889.

L. hybridum *Vill.* *L. incisum* Willd.

Native. B. Cultivated and waste ground, roadsides. Rare. A. May-Sept.

First record, *Wild Fl. Rept.*, 1866.

G1. Garden weed at Burbage, Buxton, 350 yards, *Baker*, *J.B.*

P. Arable land near Pleasley Station.

T3. Waste ground at Ticknall Vicarage, *Purchas*, *J.B.* Calke, *Bloxam*. Repton, *Wild Flower Rept.*

L. purpurem *L. Red Dead Nettle.*

Native. B. Cultivated and waste ground, hedge banks, roadsides. Common. A. Feb.-Nov.

First record, *Glover* 1829.

Generally distributed. "Common up to 400 yards," *Baker, J.B.*

***L. maculatum** *L.*

Alien. Banks, roadsides, waste places, generally near houses. Rather frequent. P. May-Aug.

First record, *Watson's N.B.G.*, 1837.

L. Ashwood Dale; between Wormhill and Peak Forest. *Green, C.D.* Wirksworth, *Painter, J.B.* Darley in the Dale, *Watson's N.B.G.* Woods by the river, Matlock, *Stevens.* Hopton, *Bindley.*

G1. Near Hazelford, Hathersage.

G2. Baslow, *Painter, J.B.*

T1. Edlaston wood side, *Smith MSS.* Mickleover, *Bindley.* Between Cubley Brook and Birchwood Moor; Over Biggin; Shirley; Bradley.

T3. Repton; Courtyard at Knowl Hills, *Wild Fl. Rept.*

L. album *L. White Dead Nettle.*

Native. BE. Roadsides, waste places, hedge-banks. Common. P. May-Sept.

First record, *Pilkington*, 1789.

Generally distributed. "Wye Valley up to Tideswell, 250 yards," *Baker, J.B.*

L. Galeobdolon *Crantz. Yellow Archangel. Weasel-snout. Galeobdolon luteum* Huds.

Native. E. Woodland, hedge-banks. Frequent. P. May-June.

First record, *Pilkington*, 1789.

L. Limestone woods up to 350 yards, *Baker, J.B.* Buxton, *Painter, J.B.* Matlock Bath, *Rowland, C.D.* Dovedale, *B. & N., J.B.*

G1. Stirrup Wood, Charlesworth, *Painter, J.B.* Ashopton; Hood Brook, Hathersage.

G2. Ashover, *Bailey, C.D.* Belper; Grindleford, *Painter, J.B. & Nat^t.* Ecclesbourn Brook. Duffield, *Pilkington.*

C. Clinker Wood, Renishaw, *Waterfall.* Wingerworth, *The Naturalist.* Dale Abbey, *Painter, Nat^t.* Kirk Hallam; Linacre Wood, Brampton; Millthorpe, near Holmesfield; Ault Hucknall; Newton Wood. Park Hall; Pinxton, *Pilkington.*

P. Cresswell Crags; Whitwell, *The Naturalist.* Markland Grips, *Waterfall.*

T1. Kirk Langley, *Painter, Nat^t.* Shirley; Yeaveley; Cubley; Eaton Woods; Alkmonton.

T2. Breadsall, common, *Whittaker, Phyt.*

T3. Woods, Calke, *Purchas, J.B.* Burton, *Hb. Mason.* Bretby, *Gibbs.* Near Foremark, *Watson's N.B.G.* Repton Shrubs; Anchor Church, *Wild Fl. Rept.*

BALLOTA *L.*

B. nigra *L.* *Black Horehound.* *B. fœtida* Koch.

Native. E. Waste ground, roadsides, banks. Frequent on Magnesian limestone and Trias, at low levels. P. June-Sept.

First record, *Pilkington*, 1789.

L. Matlock, *Crewe & Whittaker.*

C. Staveley, *Drabble.* Hill Houses, near Wingerworth. Pinxton, *Pilkington.*

P. Elmton; Cresswell Crags; Langwith; Steetley.

T1. Burnaston, *Painter*, *Nat*^{t}. Mickleover, *Bindley.* Shirley; Foston; Scropton; Tutbury Station; Marston-on-Dove; Mugginton.

T2. Ockbrook; Elvaston, *Hassé*, *C.D.* Little Chester, *Crewe & Whittaker.* Sandiacre; Wilsthorpe, near Long Eaton; Sawley; Shardlow.

T3. Hedgebanks about Calke, *Purchas*, *J.B.* Ticknall, *Hassé*, *C.D.* Stapenhill, *Harris*, *C.D.* Swarkeston, *Painter*, *Nat*^{t}. Tan-yard Lane, Repton, *Wild Fl. Rept.*

TEUCRIUM *L.*

T. Scorodonia *L.* *Wood Sage.*

Native. B. Hedgebanks, heathland, woods. Frequent. P. July-Sept.

First record, *Pilkington*, 1789.

L. Common among the limestone cliffs up to 400 yards above Castleton, *Baker*, *J.B.* Dry banks amongst the limestone, Matlock, *B. & N.*, *J.B.* Miller's and Monsal Dales, *Rogers.* Coldeaton Bank, Dovedale, *Purchas.* Ashford; Hartle Dale, Bradwell; near Great Hucklow.

G1. Near Glossop; New Mills; Edale; Snake Inn; Hood Brook, Hathersage.

G2. Frequent on gritstone east of Matlock, *B. & N.*, *J.B.* Duffield Bank, *Glover.* Shatton; Froggatt; Burbage Brook; east of Bradwell.

C. Banks behind Eckington Mill, *Waterfall.* Mapperley, and Shipley Hall; West Hallam; Denby; Sheepbridge; woods near Coal Aston. Dale Abbey, *Glover.*

T1. Allestree Park; near Heathtop, Hatton; Shirley; Bradley; Yeaveley.

T2. Breadsall, *Crewe & Whittaker.* Locko Park.

T3. Melbourne, *Purchas*, *J.B.* Bretby Park, *Gibbs.* Burton, *Hb. Mason.* Calke, *Bloxam.* Repton Park; Anchor Church, *Wild Fl. Rept.*

AJUGA *L.*

A. reptans *L.* *Bugle.*

Native. B. Woods, roadsides, banks, pastures. Common. P. May-July.

First record, *Pilkington*, 1789.

In all the districts. "Frequent up to 300 yards," *Baker*, *J.B.* A form without stolons is recorded under the name of *A. alpina* in *Sm. Eng. Bot.*, F. 1796, vii. *t.* 477. It was first found in Derbyshire by Dawson Turner. The *Bot. Guide* mentions it as occurring on the high ground between Matlock and Castleton.

PLANTAGINEÆ.

PLANTAGO *L.*

P. major *L.* *Greater Plantain. Way-bread.*

Native. B. Pastures, arable land, roadsides, waste ground. Common. P. June-Sept.

First record, *Pilkington*, 1789.

General through the County. "Common up to 500 yards," *Baker, J.B.*

Var. *intermedia* (Gilib.).

L. Near Buxton, in plenty, *Rogers, B.L. Rec.*, 1884-6, 132. Oxlow Rake.

G1. Near Glossop.

G2. Higger Tor, Hathersage; Chatsworth.

T1. Mugginton, *Painter, Nat*^{t}. Church Broughton; Shirley; Rodsley.

P. media *L.* *Hoary Plantain. Lamb's-tongue.*

Native. EB. Pastures, waysides, banks. Frequent, especially on limestone. P. June-Sept.

First record, *Pilkington*, 1789.

L. Limestone banks up to 350 yards, *Baker, J.B.* Wormhill, 400 yards, *West, J.B.* Middleton Dale, *The Naturalist.* Matlock Bath, *Painter, Nat*^{t}. Dovedale, *Nowers.* Conies Dale, Peak Forest; Longstone Edge; near Chelmorton. "A luxuriant variety with white filaments (turning pinkish when pressed), and leaves comparatively narrow, unusually green, and ascending, so approaching *P. lanceolata* in aspect; meadow above Buxton, *Rogers, J.B.*

G1. Fernilee, not common, *Barker.* Near the Snake Inn.

G2. Near the Cromford Canal, *Rogers.* Near Fox House, *The Naturalist.* Wirksworth, *Gibbs.* Between Hassop and Baslow; Kelstedge; Ambergate.

C. About Renishaw, *Waterfall.* Pudding-pie Hill, Old Brampton; between Tibshelf and Hucknall.

P. Clowne, *Waterfall.* Whitwell, *The Naturalist.* Bolsover; Elmton; Houghton.

T1. Mickleover, *Bindley.* Shirley; Hollington; Marston Montgomery.

T2. Breadsall, *Whittaker, Phyt.* Chellaston, *Painter, Nat*^{t}. Pastures by the Trent, near Long Eaton, at Trent Lock, and near the Derwent, opposite Great Wilne.

T3. About Calke, *Purchas, J.B.* Between Repton and Milton; Winshill, *Gibbs.* Between Repton and Twyford, *Wild Fl. Rept.* Fields near Ticknall, *Rept. F. & F.*

P. lanceolata *L.* *Rib-grass.*

Native. B. Meadows, pastures, arable land, roadsides. Common. P. May-Sept.

First record, *Pilkington*, 1789.

Everywhere abundant. "Common up to 500 yards," *Baker, J.B.*

P. Coronopus *L. Buck's-horn Plantain.*

Native. B. Dry waste ground, roadsides, preferring sand. Rather rare. A. June-Sept.

First record, *Pilkington*, 1789. *Star-of-the-earth. Hartshorn.*

G2. Little Eaton, *Painter, J.B.*

C. Breadsall Moor, *Crewe & Whittaker.*

T1. Reservoir, Osmaston Manor, near Ashbourne, *Smith MSS.*

T2. Sandiacre, *Trent, C.M.*

T3. Melbourne, *Purchas, J.B.* Between Calke Abbey and Melbourne, *Hassé, C.D.* Cauldwell, *Painter, J.B.* Willington Junction, *Rept. F. & F.* Roadside east of Egginton Common.

LITTORELLA *Berg.*

L. juncea *Berg. L. lacustris* L.

Native. B. Shallow margins of pools. Rare. P. July-Aug.

First record, *The Flora.*

G1. Plentiful on the side of the Reservoir, Chapel-en-le-Frith, *Barker !*

G2. Pools in Chatsworth Park, *Linton !*

C. Great Pond, Wingerworth; by Pebley Pond, Barlborough.

ILLECEBRACEÆ.

***Herniaria hirsuta** *L. Hairy Rupturewort.*

Casual.

G2. Duffield, *Pilkington*, 1789.

SCLERANTHUS *L.*

S. annuus *L. Knawel.*

Native. B. Dry arable land, heathland. Frequent at lower levels. A. June-Sept.

First record, *Glover*, 1829.

L. Dovedale, *Smith MSS.* Ashford, *Miss Fenton.*

C. Breadsall Moor, *Painter, J.B.* Dale, *Hassé, C.D.*

T1. Hulland; sandy ground by Slack Lane, Brailsford; Shirley, between the village and the brook; Ravensdale Park, Mugginton.

T3. Near Calke Abbey, *Purchas, J.B.* Ticknall; Repton Rocks, *Painter, J.B.* Repton, *Wild Fl. Rept.*

***Amaranthus retroflexus** *L.*

C. Casual at New Brampton, near Ashgate Plantation.

CHENOPODIACEÆ.

CHENOPODIUM *L.*

C. polyspermum *L.* *All-seed.* Top. Bot. "Howitt sp."

Native. E. Waste places, roadsides, field borders. Rare. A. July-Sept.

First record, *Pilkington*, 1789.

C. Heanor, *Watson's N.B.G.*, 1837.

T1. Mickleover, *Painter*, *Nat*^{t}.

T2. Near Borrowash Railway Station, *Smith MSS.*

T3. Calke Village, and at Calke Mill, *Purchas, J.B.* Between Repton and Newton, *Wild Fl. Rept.*

***C. Vulvaria** *L.* *Stinking Orache.* *C. olidum* Curt.

Casual. GE. Waste ground. Very rare. A. July-Aug.

First record, *Pilkington*, 1789.

G2. Dethick, *Pilkington.*

T2. Garden at Calke Abbey (Bloxam), afterwards lost, *Purchas, J.B.* A specimen is in *Hb. Leic. Museum.*

C. album *L.* *Fat Hen.* *White Goosefoot.*

Native. B. Arable land, waste ground, waysides. Common. A. July-Sept.

First record, *Pilkington*, 1789.

General throughout the County. "Ascends to 350 yards at Buxton," *Rogers, J.B.*

Var. *viride* (L.) *Pilkington*, 1789.

C. Waste ground, Beighton, a very distinct looking plant, growing with *C. album* (see *B.E.C. Rep.* for 1897, 562).

Var. *viridescens* St. Am. *C. paganum* Reichb.

P. Langwith.

***C. hybridum** *L.*

Casual.

T1. Mickleover, *Bindley.*

C. rubrum *L.* *Red Goosefoot.*

Colonist. EG. Manure heaps, waste ground. Rare. A. July-Sept.

First record, *Glover*, 1829.

T1. Longford, *Gibbs* Mickleover, *Painter*, *Nat*^{t}. Littleover, *Bindley.* Barton Park Farm, north of Church Broughton.

T2. Sandiacre.

T3. Swarkeston Bridge, *Bloxam.* White Hollows, and Calke Village, *Purchas, J.B.* Stapenhill, *Hb. Mason.* Coton-in-the-Elms, *Painter, J.B.* Repton, *Wild Fl. Rept.*

C. Bonus-Henricus *L. Good King Henry. All-good. Wild Spinach.*

Denizen or Native. BE. Roadsides, waste places, near villages. Local. P. June-Sept.

First record, *Pilkington*, 1789.

L. Wormhill, 400 yards, *West*, *J.B.* Up to 350 yards, Taddington, *Baker*, *J.B.* Miller's Dale, *Painter*, *J.B.!* Roadsides at Bonsall and Cromford, *B. & N.*, *J.B.* Monyash, *The Naturalist.* Thorpe Church, *Smith MSS.* Castleton; Pin Dale; Peak Forest; near Sparrowpit Inn; Foolow.

G1. Hull End, Chapel-en-le-Frith; near Hague Bar, New Mills; near Lose Hill.

G2. Rowsley, *Rogers.* Near Stony Middleton; Kelstedge.

C. Holmesfield, *Painter*, *Nat*[t]. Spital, Chesterfield, *Drabble.* Horsley Castle, *Crewe & Whittaker.* Killamarsh; West Hallam; near Crowhole, Barlow; Holymoorside; near Beauchief Abbey.

T1. Norbury Quarry, *Smith MSS.* Mickleover, *Bindley.* Shirley Churchyard; Hatton; Ashbourne towards Bradley; Burnaston.

T2. Chellaston, *Hassé*, *C.D.* Breadsall, *Crewe & Whittaker.* Sawley, near R. Trent.

T3. Near the Churchyard at Ticknall; Calke, *Purchas*, *J.B.* Stapenhill; Swarkeston, *Painter*, *J.B.* Churchyard, Repton, *Wild Fl. Rept.*

ATRIPLEX *L.*

A. patula *L. Spear Orache.*

Native. B. Arable land, waste ground, waysides. Common. A. July-Sept.

First record, *Pilkington*, 1789.

General through the County. "Up to 300 yards," *B. & N.*, *J.B.*

Var. *erecta* Huds.

L. Common in cultivated ground up to 300 yards [Matlock], *B. & N.*, *J.B.* Hope; Pin Dale; Ashford.

G1. Allport Dale; Dinting; New Mills, near Mellor; Edale; Bamford.

G2. Chatsworth; Baslow; near Hathersage; Duffield; Shottle Gate; Ambergate.

C. By Renishaw Canal; Duckmanton; Coal Aston; Unstone; Beighton; West Hallam; Denby; Barlborough.

P. Whitwell.

T1. Mickleover, *Painter*, *Nat*[t]. Allestree; Boylestone; Shirley; Brailsford.

T2. Near Thrumpton Ferry; Sandiacre; Great Wilne.

T3. Repton, *Wild Fl. Rept.* Burton, *Hb. Mason!*

Var. *angustifolia* (Sm.) *Glover*, 1829.

Native. B. Common. "Miller's Dale, 250 yards," *Baker*, *J.B.*

A. hastata *L. Fat-hen. A. Smithii* Syme.

Native. B. Waste ground, hedgesides, fields, roadsides. Local. A. July-Sept.

First record, *Pilkington*, 1789. *Lamb's Quarters.*

L. Matlock, *B. & N.*, *J.B.* Matlock Bath, *Rogers.*

G1. Up to highest cornfields over Burbage, 450 yards, *Baker*, *J.B.*

G2. Near the Ford, north east from Allestree.

C. Totley; Norton, *Painter*, *Nat*[t]. Waste ground at Beighton.

T1. Eaton Dovedale Farm, near Doveridge; Tutbury Station; Hatton; near the Dove, Sudbury.

T2. By the canal, near Borrowash; Thrumpton Ferry, and Trentlock; Long Eaton, by the canal; Sawley; Great Wilne.

T3. Burton, *Hb. Mason!* Egginton Common; Drakelow, near the Trent.

POLYGONACEÆ.

POLYGONUM *L.*

P. Convolvulus *L.* *Black Bindweed.*

Native. B. Arable land, waste ground, waysides. Common. A. July-Oct.

First record, *Pilkington*, 1789.

Generally distributed. "Up to 450 yards over Burbage," *Baker*, *J.B.*

Var. *subalatum* V. Hall. *P. pseudo-dumetorum* H. C. Wats.

T1. Sandy fields between the Knob and Hulland, *Linton.*

P. aviculare *L.* *Knot-grass.*

Native. B. Cultivated land, roadsides, waste ground. Common. A. June-Oct.

First record, *Pilkington*, 1789.

Abundant and generally distributed. "Ascends up to 450 yards over Burbage," *Baker*, *J.B.*

Var. *agrestinum* (Jord.).

Common on arable land and waste ground.

Var. *vulgatum* Syme.

Common and general; recorded (for Renishaw near Chesterfield) in the *Watson's B.E.C. Rep.*, 1890.

Var. *arenastrum* (Bor.).

Sandy places, heathland.

T1. Near Burton Sluts, north of Brailsford, *B.E.C. Rep.*, 1888, 230; Yeldersley.

Var. *rurivagum* (Jord.).

Not uncommon by waysides.

T3. Cauldwell, *Hb. Mason!*

P. Hydropiper *L. Water Pepper.*

Native. B. Ditches, streams, wet places. Common. A. July-Oct.

First record, *Pilkington*, 1789. *Arsmart.*

In all the districts. About 200 yards at Froggatt.

P. minus *Huds.*

Native. E. Damp places, sides of rivers and ponds. Rare. A. Aug.-Sept.

First record, *N.H. Tutb.*, 1863.

T3. Ingleby; Walton, *N.H. Tutb.* Burton, *Hb. Mason!* Repton, *Nowers.* Drakelow, by the Trent.

P. Persicaria *L. Persicaria.*

Native. B. Cultivated ground, waste places, waysides. Common. A. July-Oct.

First record, *Pilkington*, 1789.

Generally distributed. "Frequent up to 450 yards," *Baker, J.B.* A form with pilose ochreæ occurred near Ford (*see B.E.C. Rep. for* 1897).

Var. *elatum* Gren. & Godr.

C. Beighton.

T1. Shirley Park.

P. lapathifolium *L.*

Native. BE. Cultivated ground, waste places, rubbish heaps. Common. A. July-Oct.

First record, *Top. Bot.*, 1873.

Generally distributed. "Nearly 400 yards near Corbar Wood, Buxton," *Baker, J.B.*

P. amphibium *L.*

Native. B. Streams, canals, ditches, wet places. Frequent. P. July-Sept.

First record, *Pilkington*, 1789.

Including var. *terrestre* Leers, which appears to be merely a state resulting from situation.

L. Wye Valley at Ashford, 200 yards, *Baker, J.B.* Between Thorpe and Fenny Bentley, *Smith MSS.* Bradwell, *Painter, Nat^t.* Hope.

G1. Near Chapel Reservoir, *Barker.* Dinting.

G2. Near the Derwent, above Allestree.

C. About Renishaw, *Waterfall.* Shipley Hall; pool east of Killamarsh; Wingerworth; Hardwick. Pinxton, *Pilkington.*

P. Pool by Cresswell Crags.

T1. Mickleover, *Bindley.* Shirley; Kedleston Park; Cubley; Marston-on-Dove; Sudbury; Radbourn, towards Etwall.

T2. Ockbrook, *Smith MSS.* Breadsall railway pit, *Crewe & Whittaker.* Long Eaton; Thrumpton Ferry; canal at Chaddesden, and at Chellaston.

T3. Calke, *Purchas, J.B.* Bretby Ponds; Repton Park Pond, *Painter, J.B. & Natt.* Trent by Tan-yard Lane, Repton, *Wild Fl. Rept.*

P. Bistorta *L.* *Bistort. Snake Weed.*

Native. BI. Damp meadows and pastures. Frequent. P. June-Aug.

First record, *Withering*, 1787.

L. Meadow near the Grammar School, Buxton, 350 yards, *Baker, J.B.* Wormhill, *West, C.D.* Matlock, *Rowland, C.D.* Fenny Bentley, *Purchas, J.B.* Ashbourne, *Bot. Guide.* Lower Hallfield, Kniveton.

G1. About Bugsworth, *Rogers.* High Lee, near Chapel, *Gisborne.* Charlesworth, *Painter, J.B.* Tarden, near Mellor; between Chinley and Lydgate.

G2. Crich, *Pilkington.* Between Blackwall and Kirk Ireton; Ashover Hay.

C. Millhouses; woods between Norton and Eckington, *The Naturalist.* Norton, *Hb. Salt*, 1798. The Moss, Mosbrough; Barlow Brook; near Hardwick Wood; Fritchley. S. Normanton, *Pilkington.*

T1. Cubley; Ednaston; Wyaston; Abbott's Clowne Holme. Mackworth, *Pilkington.*

T2. Morley, *Crewe & Whittaker.*

T3. Calke, *Purchas, J.B.* Swarkeston Meadows, *Crewe & Whittaker.* Near the Tanyard, Repton, *Wild Fl. Rept.* Formerly planted as a pot-herb and therefore perhaps not native in all its localities.

***Fagopyron esculentum** *Mœnch.* *Buckwheat. Branks. Polygonum Fagopyron* L.

Casual, sown for pheasants.

L. About Buxton, *Jewitt*, 1811.

C. Breadsall Moor, *Crewe & Whittaker.* Chesterfield, *Pilkington.*

RUMEX *L.*

R. conglomeratus *Murr.*

Native. B. Roadsides, wood borders, rubbish heaps. Frequent. P. July-Sept.

First record, *Top. Bot.*, 1873.

L. Bakewell; Buxton, *Painter, J.B.* Miller's Dale; Via Gellia, *Rogers.* Matlock; Dovedale, *B. & N., J.B.*

G1. Mellor, *Fl. Ashton.*

G2. Brook below Birchill Bank, Baslow; Ambergate.

C. Canalside, Kirk Hallam; Loscoe; pond, Parkhall, near Barlborough; Beighton; near Beauchief Abbey; Renishaw Canal; Wingerworth; Cutthorpe, Old Brampton; near the canal, New Stanton.

P. Bramley Vale, Glapwell; Belph Moor; Harlesthorpe, near Clowne.

T1. Shirley; near the Bent, Church Broughton; near Spread Eagle Inn, Findern; near the Dove, Sudbury.

T2. Breadsall, *Painter, J.B.* Long Eaton, near R. Erewash.

T3. Calke, *Purchas, J.B.* Burton-on-Trent, *Painter, J.B.* Repton, *Rept. F. & F.* Canal, Egginton.

The branches of this species are more patent-ascending than those of *R. viridis*, giving the panicle a broader appearance.

R. sanguineus *L.* *Bloody Dock.*

Native. BE. Waysides, waste places, hedges. Rare. P. July-Aug.

First record, for the aggregate species, *Pilkington*, 1789; for the segregate, *N.H. Tutb.*, 1863.

L. Via Gellia, *Bailey*, *C.D.*

T3. Newhall, *N.H. Tutb.*

Var. *viridis* (Sibth.) *R. nemorosus* Schrad.

Common and generally distributed. "Wye Valley up to Chee Tor, 250 yards," *Baker*, *J.B.*

R. maritimus *L.* *Golden Dock.*

Native. E. Wet ground near pools, swamps. Very rare. P. July-Aug.

First record, *Ray. Cat.*, 1670. *Lapathum folio acuto, flore aureo.* "*Ad Trentam fluvium prope Swarston pontem in Derbia.*"

T3. Meadows by the roadside near Swarkeston Bridge, formerly.

R. pulcher *L.* *Fiddle Dock.*

Native. E. Waste land, waysides. Very rare. P. July-Aug.

First record, *Glover*, 1829.

T3. Burton-on-Trent, *Hb. Mason!* Repton, towards the Ferry, *Bloxam.*

R. obtusifolius *L.* *Broad-leaved Dock.*

Native. B. Roadsides, waste places, woods, pastures. Common. P. July-Sept.

First record, *Pilkington*, 1789.

Abundant and generally distributed. "Common up to 500 yards," *Baker*, *J.B.*

R. crispus *L.* *Curled Dock.*

Native. B. Roadsides, waste places, arable land. Common. P. July-Sept.

First record, *Glover*, 1829.

Abundant everywhere. "Common up to 450 yards," *Baker*, *J.B.*

R. crispus × obtusifolius. *R. pratensis* Mert. & Koch. *R. acutus* L.

First record, *Glover*, 1829.

Native. E.?

L. Dovedale, *B. & N.*, *J.B.* Quarry near Bolehill, Sheldon; Middleton Dale.

G1. Mill Brow, near Mellor; near Dinting Railway Station.

T1. Edlaston Coppy, *B.E.C. Rep.*, 1891, 343.

T3. Burton; Bretby, *Hb. Mason!* Calke, *Bloxam.* Milton to Repton Rocks, *Rept. F. & F.*

R. Hydrolapathum *Huds.* *Great Water Dock.*

Native. E. Streams, canals, pools, marshes. Frequent at low levels. P. July-Sept.

First record, *Glover*, 1829.

C. Canal bank, Renishaw, *Waterfall.* Canal near Killamarsh, and near Mastin Moor.

T1. Findern, *Painter*, *Nat*^{t}.

T2. R. Trent, Sawley, a form with cordate leaf bases.

T3. Swarkeston, *Purchas*, *J.B.* Repton, *Green*, *C.D.* Burton-on-Trent, *Painter*, *J.B.* Old Trent by Twyford Lane, *Wild Fl. Rept.* Willington, *Gibbs.*

R. alpinus *L.* *Monk's Rhubarb.*

Denizen. Waste ground. Rare. P. July-Aug.

First record, *Mag. Nat. Hist.*, 1829-35; also, *Hooker's Brit. Fl.*, 1838.

L. Pasture opposite One-ash Grange, near Bakewell, *Bailey*, *B.L. Rec.*, 1876.

G1. On a farm in Chinley occupied by J. Porritt, very near the Farm-house, *Watson's N.B.G.* Ludworth, *Fl. Ashton.*

C. Near Dore, *The Naturalist.*

R. Acetosa *L.* *Common Sorrel.*

Native. B. Pastures, waysides. Common. P. May-July.

First record, *Pilkington*, 1789.

Generally distributed. "Ascends to the peak of Axe Edge, over 550 yards," *Baker*, *J.B.* "All levels up to 350 yards at Matlock," *B. & N.*, *J.B.*

R. Acetosella *L.* *Sheep's Sorrel.*

Native. B. Dry places, heaths, banks, fields. P. May-Aug.

First record, *Pilkington*, 1789.

General through the County. "Ascends to the peak of Axe Edge, over 550 yards," *Baker*, *J.B.*

THYMELEACEÆ.

DAPHNE *L.*

D. Mezereon *L.* *Mezereon.*

Native. EG. Limestone dales. Very rare. S. Feb.-April.

First record, *Pilkington*, 1789. *Spurge Olive. Spurge Flax. Dwarf Bay.*

L. Thickets in Lathkil Dale, *Smith MSS.* Dove Valley, in very small quantity, *Purchas*, *J.B.* Copse near Bakewell, sparingly, *Watson's N.B.G.* Matlock, Chee Tor, *Pilkington.*

D. Laureola *L.* *Spurge Laurel.*

Native. EG. Woods, thickets, hedges, on limestone or dry soil. Rare. S. March-April.

First record, *Pilkington*, 1789.

L. Matlock, *Rowland, C.D.* Opposite Willersley Park, on high rock right of the cutting through which the road to Matlock passes, *Nowers & Wells.* This is probably the same locality as "Cromford, *Painter, J.B.*"

C. Hardwick, *Pilkington.*

P. Whitwell Wood.

T2. Formerly not uncommon about Morley, but the farmers have nearly exterminated it, considering it dangerous for cattle, *Whittaker, B.L. Rec.* 1875, 129. Spondon Fields; Ockbrook, *Smith MSS. and C.D.*

T3. Foremark, *Wild Fl. Rept.*

LORANTHACEÆ.

VISCUM *L.*

V. album *L. Mistletoe.*

Native? EG. Parasitic on trees. Rare. P. March-April.

First records, *Withering,* 1787; *Pilkington,* 1789.

L. Matlock, *Stevens.*

G2. Chatsworth, *Gem of the Peak.* On a thorn tree near Cromford, *Gibbs.*

C. On a hawthorn near Beighton, *Hb. Salt.* On an oak at Staveley in the latter half of the 17th century, said to be "the only oak in England that bears Mistletoe," *Nat's. Monthly, Dec.* 1887. Langley, *Watson's N.B.G.* Pinxton; West Hallam, *Pilkington.*

T1. Allestree, *Pilkington.*

T2. Morley, naturalised, *Crewe & Whittaker.*

EUPHORBIACEÆ.

EUPHORBIA *L.*

E. Helioscopia *L. Sun Spurge.*

Native. B. Arable land, gardens, waste places. Common. A. May-Sept.

First record, *Pilkington,* 1789. *Wart-wort. Churn-staff.*

General through the County.

E. amygdaloides *L. Wood Spurge.*

Native? E. Woods, thickets, hedgebanks. Very rare. P. April-June.

First record, *Pilkington,* 1789.

L. Woods near Cromford, *Milnes, C.D.*

T2. Chaddesden Common, *Pilkington.*

T3. Found by Mr. Bloxam in Calke Park, since disappeared, *Purchas, J.B.*

E. Peplus *L. Petty Spurge.*

Native. BE. Cultivated and waste ground, roadsides. Common. A. May Oct.

First record, *Pilkington,* 1789.

General and abundant. "A common weed up to 400 yards," *Baker, J.B.*

E. exigua *L.*

Native. EB. Arable land, waste ground, gardens. Common. A. June-Nov.

First record, *Pilkington*. 1789.

In all the districts. Over 200 yards near Charlesworth, and at Buxton.

Var. *retusa* (DC.).

C. Fields near Coal Aston.

T1. Fields Yeldersley, near Ashbourne (*B.E.C. Rep.*, 1902).

T2. Waste ground by the rifle butts near Trent Station.

***E. Lathyris** *L.* Casual.

T1. Mickleover, *Bindley*.

***Buxus sempervirens** *L.* *Box.*

Alien. *EL?*

T3. Bretby Gardens, *Glover*.

MERCURIALIS *L.*

M. perennis *L.* *Dog Mercury.*

Native. B. Hedgebanks, woods, copses. Common. P. March-May.

First record, *Pilkington*, 1789.

Generally distributed. "Ascends up to 350 yards," *Baker, J.B.*

The monœcious form occurs here and there with the type; noticed at Shirley; Cubley; near Roston.

URTICACEÆ.

ULMUS *L.*

U. montana *Stokes.* *Wych Elm.*

Native. B. Hedges, woods. Frequent. T. March-April.

First record, *Pilkington*, 1789.

L. Miller's Dale, *Rogers*. Monsal Dale, *Searle, C.D.* Lathkil Dale, *Baker, J.B.* Everywhere common in the woods [Matlock], *B. & N., J.B.*

G1. Common up to 500 yards [Buxton], *Baker, J.B.*

T1. Burnaston, *Bindley*. Shirley; between Ednaston and Hollington.

T2. Morley; Breadsall, *C.D.* Chaddesden; Mansfield Road, near Derby.

T3. Apparently wild in some places, but often planted, *Purchas, J.B.* Burton-on-Trent, *Painter, J.B.* Repton, *Wild Fl. Rept.*

Var. *nitida* Syme.

L. Between Sandy Brook and Thorpe.

T1. Shirley.

U. surculosa *Stokes. Elm. U. campestris* Sm.

Denizen. E. Hedges, woods. Frequent. T. March-April.

First record, *Pilkington*, 1789.

General, mostly planted. "Lower part of the Wye Valley, doubtfully native," *Baker, J.B.* "Fine old (planted) trees in Calke Park," *Purchas, J.B. U. suberosa* Ehrh. with corky bark, occurs about Shirley and Brailsford, and near Derby.

Var. *glabra* Mill.

L. Back Dale, near Hindlow.

G2. Duffield.

T1. Meynell Langley; Mugginton.

***Cannabis sativa** *L. Hemp.*

Alien.

G1. One plant in Corbar Wood, Buxton, *Rogers.*

HUMULUS *L.*

H. Lupulus *L. Hop.*

Native or denizen. B. Hedges. Frequent. P. July-Aug.

First record, *Pilkington*, 1789.

L. Matlock, *Stevens.* Agnes Meadow, south of Kniveton.

G2. Idridgehay, *Gibbs.* Little Eaton; Belper, *Glover.* Ireton Wood; Ecclesbourn Brook. Duffield, *Pilkington.*

C. About Renishaw, *Waterfall.* Killamarsh, *Glover.* Loscoe; Dale. Pinxton, *Pilkington.*

P. Cresswell, *Glover.* Scarcliffe Park Wood.

T1. Occasionally in hedges [Osmaston-by-Ashbourne neighbourhood], *Smith MSS.* Wilne; Roston; Shirley; Markeaton. Marston Montgomery, *Glover.*

T2. Breadsall, *Whittaker, C.D.* Near Trent Station; Sawley; Shardlow.

T3. Near Melbourne, *Purchas, J.B.* Anchor Church; Bretby, *Gibbs.* Linton, *Painter, J.B.* Walton, *Glover.* Calke, *Bloxam.* Repton, *Wild Fl. Rept.*

URTICA *L.*

U. dioica *L. Stinging Nettle.*

Native. B. Hedges, waste places, woods. Common. T. June-Aug.

First record, *Pilkington*, 1789.

General through the County. "Common up to 500 yards," *Baker, J.B.*

U. urens *L. Small Nettle.*

Native. B. Waste places, especially near buildings. Frequent. A. June-Sept.

First record, *Pilkington*, 1789.

L. Miller's Dale, *Searle, C.D.* Matlock, *Stevens.* Monyash, 300 yards; Bradwell; by Sparrowpit, Chapel; Grange Mill; Youlgreave; near Great Hucklow.

G1. Mellor, *Hannan, C.D.*

G2. Belper; near Owler Tor; below Hathersage.

C. About Renishaw, *Waterfall.* Troway; Wilday Green, Barlow.

P. Elmton; Markland Grips; Belph Moor.

T1. Mickleover, *Painter, Nat^t.* Wyaston, *Smith MSS.* Shirley; Mammerton, Longford; Cubley; Barton Blount.

T2. Bradwell, *C.D.* Dale; Sandiacre; Long Eaton; Sawley; Shardlow.

T3. Rare [about Calke], *Purchas, J.B.* Burton, *Hb. Mason!* Willington, *Painter, Nat^t.* Repton, *Wild Fl. Rept.* Swarkeston; Egginton Common.

PARIETARIA *L.*

P. officinalis *L. Wall Pellitory.*

Native. BE. Walls, dry hedge-banks. Fairly frequent. P. June-Sept.

First record, *Pilkington*, 1789.

L. Walls of Haddon Hall, 200 yards, *Baker, J.B.* Cromford; Bonsall, *B. & N., J.B.* Via Gellia, *Rogers.* Buxton, *Buxton Guide.* Bakewell, *Gisborne.*

G2. Chatsworth, *Gem of the Peak.* Near Hopton; Fallgate, Ashover.

C. Holymoorside, *Drabble.* Dale, *Hassé, C.D.* Hill Houses, Wingerworth; near Wingfield Park.

P. Cresswell Crags.

T1. Old wall near the Holmes, Derby, *Glover.* Mackworth Church, *Pilkington.*

T2. Breadsall, *Whittaker, C.D.* Great Wilne.

T3. About Calke, *Purchas, J.B.* Swarkeston, *Hassé, C.D.* Repton, *Wild Fl. Rept.*

[**Myrica Gale** *L. Sweet Willow.*

C. Wingerworth, *Pilkington*, 1789].

CUPULIFERÆ.

BETULA *L.*

B. verrucosa *Ehrh. Birch.*

Native. B. Hedges, woodland, copses. Common. T. April-May.

First record, *Pilkington*, 1789. *B. alba.*

"Woods up to 400 yards," *Baker, J.B.* Over 400 yards in Fairbrook Clough, near Snake Inn.

B. pubescens *Ehrh.*

Native. B. Woods, copses, hedges. Rather rare. T. April-May.

First record, *B.L. Rec.*, 1884-6, 105.

G1. Near the Snake Inn; Malcoff, near Chapel-en-le-Frith.

G2. Whatstandwell, *Bailey, B.L. Rec.* Stanton.

C. Brierley Wood, Unstone; east of Totley.

ALNUS *L.*

A. glutinosa *Medic. Alder.*

Native. B. Damp hedges, streamsides, copses. Common. T. March-April.

First record, *Pilkington*, 1789. *Betula Alnus.*

Generally distributed. "Wye Valley to Buxton, 300 yards," *Baker, J.B.* "Matlock, up to 300 yards," *B. & N., J.B.*

CARPINUS *L.*

C. Betulus *L. Hornbeam.*

Denizen or planted. EG. Copses, hedges, woods. Not common. T. May.

First record, *Glover*, 1829.

L. Buxton, *Painter, J.B.*

G1. Mellor, *Fl. Ashton.*

C. Belmont, Brampton.

T1. Mickleover, *Bindley.* Edlaston Coppy; West Broughton, Sudbury; Lower Thurvaston; Barton Park; between Mugginton and Cross o' th' hands.

T2. Breadsall, not common, *Crewe & Whittaker.*

T3. Bretby, *Painter, J.B.* Repton, *Rept. F. & F.*

CORYLUS *L.*

C. Avellana *L. Hazel.*

Native. B. Woods, hedges. Common. S. or T. March-April.

First record, *Pilkington*, 1789.

General throughout the County. "Common up to 400 yards," *Baker, J.B.*

QUERCUS *L.*

Q. Robur *L. Oak.*

Native. B. Woods, hedges. Common. T. April-May.

First record, *Pilkington*, 1789.

Var. *pedunculata* (Ehrh.).

Common. "Woods up to 400 yards," *Baker, J.B.*

Var. *intermedia* (D. Don.).

G1. Near Ashopton on the Sheffield Road, where all forms and stages from *pedunculata* to *sessiliflora* may be seen; Hathersage; near Horridge House, Whaley Bridge.

G2. Chatsworth.

C. By R. Sheaf, east of Totley.

T1. Between the Knob, Hulland, and Spinneyford Brook.

T3. About Calke, *Purchas, J.B.*

Var. *sessiliflora* (Salisb.) *Gem of the Peak*, 1845. *B.L. Rec.* 1884, 105.

Native. B. Not uncommon.

G1. Near the Snake Inn; near Ashopton; Hathersage.

G2. Whatstandwell, *B. & N.*, *J.B.* Baslow.

C. Cordwell, near Unthank; Hardwick Wood; Moor Lawn Coppice, Holymoorside; Calow; Duckmanton; Dale.

T1. Mickleover, *Bindley*. Shirley Wood.

T2. Breadsall, *Whittaker*, *C.D.*

T3. Scarce about Calke, *Purchas*, *J.B.*

In Derbyshire the three varieties of *Quercus* are connected by a series of intermediates, so that, however accounted for, the actual phenomena present us rather with three groups of forms of one species.

CASTANIA *L.*

***C. sativa** *Mill.* *Edible* or *Sweet Chestnut.* *C. vulgaris* Lam.

Alien. Woods, plantations. Rather rare. T. May-June.

Records, *Crewe & Whittaker*, 1864; *Wild Fl. Rept.*, 1866.

G1. Ashopton.

G2. Chatsworth Park, planted, *Baker*, *J.B.*

T1. Bradley; Shirley, planted.

T2. Breadsall, etc., introduced, *Crewe & Whittaker.*

T3. Bretby, *Gibbs.* Near Newton Solney, *Burkill*, *C.D.* Repton Park, *Wild Fl. Rept.*

FAGUS *L.*

F. silvatica *L.* *Beech.*

Native. E. Woods, limestone dales, hedges. Frequent. T. March-April.

First record, *Pilkington*, 1789.

L. Wild looking in the limestone woods of the Via Gellia, *B. & N.*, *J.B.* Woods up to 400 yards [Buxton], *Baker*, *J.B.*

G1. Bugsworth to New Mills, *Rogers.* Chapel-en-le-Frith, *Searle*, *C.D.* Edale.

G2. Milltown, Ashover, *Bailey*, *C.D.* Lea Mill, Cromford, *Painter*, *Nat.* Baslow.

C. About Renishaw, *Waterfall.*

T1. Kedleston, *C.D.* Shirley.

T3. Not truly wild [about Calke], *Purchas*, *J.B.* Burton-on-Trent, *Harris*, *C.D.* Repton Park, *Wild Fl. Rept.*

SALICINEÆ.

SALIX *L.*

S. triandra *L. Almond-leaved Willow.*

Native or planted. EB. River banks, hedges, by ponds. Rather rare. T. April-May.

First record, *Baker, J.B.*, 1884.

L. Wye bank in Miller's Dale, 250 yards, *Baker, J.B.*

G1. Chapel Reservoir.

T1. Between Rodsley and Yeaveley; copses Longford, near Peathays; by a pond between Shirley and Ednaston; near Brook Farm, Cubley.

T2. Canalside near Chellaston, both the broad and narrow leaved forms.

T3. Repton, *Nowers.*

S. triandra × fragilis. *S. decipiens* Hoffm.

T1. Several bushes by the Bentley Brook, near Ashbourne, *Linton.*

S. triandra × viminalis. *S. hippophaæfolia* Wim. & Grabb.

L. Miller's Dale, an old tree and several younger, *C.D.*, where see note (*S. undulata* Ehrh. is however a different hybrid constituted of *S. triandra* and *alba*). Dovedale, *Purchas.*

T2. Canalside below Chellaston.

T3. Drakelow, by the Trent; by the Dove, Egginton.

S. pentandra *L. Bay-leaved Willow.*

Native. S. Hedges, streamsides. Frequent. T. May-June.

First record, *Martyn, Phil. Trans.*, 1729. *Salix folio laureo seu lato glabro odorato*, Phyt. Brit.

L. Miller's Dale, *B.L. Rec.*, 1874, 66. Buxton, *Linton.* Along Scow Brook, near Hognaston.

G1. Near the Etherow, Glossop.

G2. Near Hassop Station, and under Birchill Bank, Baslow.

C. Barlborough Low Common, and by Pebley Brook; near Hardwick Wood. Common about Wingerworth, *Martyn.*

T1. Between Bradley and Hulland; near Cascus, north of Brailsford.

T3. Egginton, *Painter, J.B.* Repton, *Rept. F. & F.*

S. fragilis *L. Crack Willow.*

Native. BE. By streams, pondsides, hedges. Common. T. April-May.

First record, *Rept. F. & F.*, 1881.

General; in all the districts, often probably planted. "Wye Valley to Buxton, up to 300 yards," *Baker, J.B.*

Var. *britannica* F.B. White.

L. Ashwood Dale, *Painter, Nat^l.*

G1. Mellor, *Hannan, C.D.*

T1. Mickleover; Normanton, *Painter*, *Nat*^{t}. Cupiss Lane, Brailsford; between Cubley and Sudbury; copses east of Alkmonton; Lower Thurvaston; Etwall.

T3. Swarkeston, *Painter*, *Nat*^{t}.

S. alba *L.* *White Willow.*

Native. BE. Streamsides, ponds, hedges. Common, though less so than the preceding. T. April-May.

First record, *Pilkington*, 1789.

General through the County, often planted; reaches to between 250 and 300 yards near Buxton.

Var. *vitellina* L. *Golden Willow.* *Gem of the Peak*, 1845.

L. R. Wye near Monsal Dale Station, 250 yards, *Baker*, *J.B.* Cromford, *Painter*, *J.B.*

G2. Banks of the Derwent, *Gem of the Peak.*

T1. Roadside between Brailsford and Kirk Langley, planted.

T3. Near Burton-on-Trent, *Harris*, *C.D.*

S. *alba* × *fragilis.* *S. viridis* Fr.

C. Margin of Pebley Pond, near Barlborough.

S. purpurea *L.* *Purple Osier.* *Bitter Willow.*

Native. BE. Streamsides, hedges, woods. Rather rare. T. March-April.

First record, *Rept. F. & F.*, 1881.

L. By the Wye up to Ashwood Dale, 300 yards, *Baker*, *J.B.* Matlock Bath, *Rogers.* Cromford, *Sunderland & Hannan*, *C.D.*

G1. Mellor, *Fl. Ashton.* Tarden.

C. Near Hemsworth, Norton, *Gibbs.*

P. Harlesthorpe, near Clowne.

T1. Shirley Wood; Corley, near Bradley; by the Dove at Tutbury and Marston; Doveridge; marshes below Findern.

T3. Burton-on-Trent, *Painter*, *J.B.* Repton, *Gibbs.* Willington, *Rept. F. & F.* By the Dove, Egginton.

S. purpurea × viminalis. *S. rubra* Huds.

Native. E.? Streamsides, osier beds. Rare. April-May.

First record, *Painter*, *J.B.*, 1881.

G1. Mellor (var. *Helix*), *Fl. Ashton.*

T2. Trentlock; R. Derwent, near Great Wilne.

T3. Burton-on-Trent, *Painter*, *J.B.*

Var. *Forbyana* (Sm.).

L. Dovedale, near Lode Mill, *Purchas*, *J.B.* Roadside, between Castleton and Hope; Brough.

G1. Mellor, *Hannan*, *C.D.*

T1. Near the General Cemetery, Derby, *Painter, Natt.* Near Derby, *Wats. B.E.C. Rep.*, 1894, 11. Shirley Wood.

T2. Trentlock.

T3. Twyford Ferry, *Nowers.*

S. viminalis *L.* *Common Osier.*

Native. BE. Hedges, streams, pools, osier beds. Frequent. S. or T. April-May.

First record, *Glover*, 1829.

L. By the Wye up to Ashford Dale, 300 yards, *Baker, J.B.* Streamsides, frequent, at Matlock Bath, *B. & N., J.B.* Near Poole's Hole, Buxton, *C.D.* Dovedale, *Purchas, J.B.* Ashwood Dale, *Painter, Natt.*

G1. Mellor; Chapel Reservoir.

G2. Between Hassop and Baslow.

C. Near Hemsworth, Norton, *Gibbs.*

T1. About Derby, *C.D.* Shirley Wood; Wyaston; by the Dove at Tutbury and Sudbury; Marston-on-Dove.

T2. Ponds near Trent Station.

T3. Twyford Ferry, *Nowers.* Repton, *Rept. F. & F.*

S. viminalis × Caprea. *S. rugosa* Leefe.

Native. Copses, hedges, poolsides. Frequent. T. March-May.

First record, *B.E.C. Rep. for* 1887, 1888, 189.

G2. Ashover, *Painter, Natt.*

C. Mapperley; Loscoe; Crowhole, near Barlow; Dale.

T1. Lane west side of Bradley Wood; Bradley; Edlaston Coppy; Overburrows, Brailsford.

T2. Canalside near Chellaston.

S. viminalis × cinerea. *S. Smithiana* Willd, p.p.

Native. EB. Hedges, copses, streamsides. Frequent. S. or T. March-May. *J.B.*, 1881.

L. By the Wye up to Ashwood Dale, 300 yards, *Baker, J.B.*

G1. Mellor, *Wild, C.D.* Dinting, near the Etherow.

G2. Near Chatsworth, *Scrimshaw*, C.D. Near Ashover, *Bailey, C.D.* Pincham's Hill, Belper.

C. Denby; Mosbrough; woods near Beauchief Abbey; Shirland.

T1. Shirley, in two or three places; Marston-on-Dove; Hulland Ward; near Brook Farm, Cubley.

T3. Near the Heath End Lodge, Calke, planted, *Purchas, J.B.* Repton, *Burkill & Candler, C.D.*

Var. *acuminata* (Sm.) *Glover*, 1829.

T3. Near Twyford Ferry; Repton, Old Trent, *Nowers.*

S. Caprea *L.* *Goat Willow. Sallow.*

Native. B. Hedges, copses, woods. Frequent. T. March-April.

First record, *Glover*, 1829.

L. Miller's Dale; Ashwood Dale; Bonsall, *Rogers*. Matlock; Dovedale, *B. & N.*, *J.B.* Hartle Dale, Bradwell; Middleton Dale.

G1. Common up to 450 yards in Goyt's Clough, *Baker*, *J.B.* Mellor, *Hannan*, *C.D.* Near the Snake Inn; R. Etherow, near Charlesworth; near Crowden Reservoir, Edale.

G2. Lea Hill, Cromford, *Painter*, *Nat*^{t}. Between Hassop and Baslow; Abney Clough; Belper.

C. Kirk Hallam; Denby; Smalley; Brierly Wood, Unstone; Totley Moss; by Pebley Pond; woods near Beauchief Abbey; Walton Wood; Newton Wood.

P. Glapwell; Markland Grips; Steetley.

T1. Osmaston-by-Ashbourne, *Painter*, *J.B.* Shirley; Edlaston Coppy; Church Broughton; Allestree; Sudbury; Hilton.

T2. Risley Park.

T3. About Calke, *Purchas*, *J.B.* Burton-on-Trent, *Painter*, *J.B.* Repton, *Rept. F. & F.*

S. Caprea × cinerea.

T1. Both male and female trees at Edlaston Coppy, *B.E.C. Rep.*, 1896, 528. "It is to be noticed that in *S. Caprea* and probably the other alternate-leaved willows the growing point of the annual shoot perishes instead of closing up into a terminal bud; the growth of the shoot being continued, next season, by the last axillary bud," *Purchas*.

S. aurita *L.*

Native. B. Hedges, lanesides, heaths, copses, woods. Frequent. April-May.

First record, *Glover*, 1829.

G1. Swamps near the Cat & Fiddle Inn, 500 yards, *Baker*, *J.B.* Stirrup Wood, Charlesworth; Mellor, *Painter*, *J.B. & Nat*^{t}. Edale; Snake Inn; near Wash, Chapel-en-le-Frith.

G2. Froggatt; Barbrook, near Baslow.

C. Loscoe; Smalley; Brierley Wood, Unstone; Hardwick Wood; Totley Moss.

T1. Common in this district. A long styled form occurs in Yeldersley Lane, at one time supposed to be a hybrid with *Smithiana B.E.C. Rep.*, 1888, 232; 1890, 310; 1891, 346.

T3. Burton-on-Trent, *Painter*, *J.B.* Repton, *Rept. F. & F.* Egginton Common.

S. aurita × Caprea.

T1. Edlaston Coppy, *B.E.C. Rep.*, 1893, 423.

S. aurita × cinerea. *S. lutescens* Kern.

G2. Froggatt.

C. Totley Moss.

T1. Marston Montgomery; near Atlow; Yeldersley Lane, near Shirley, *B.E.C. Rep.*, 1890, 311.

T3. Egginton Common.

S. cinerea *Sm.*

Native. B. Hedges, copses, woods. Common. T. April-May.

First record, *Glover*, 1829.

General throughout the County. "Common up to 500 yards on moor near the Cat & Fiddle Inn," *Baker, J.B.* "Common in woods and hedges up to 300 yards [Matlock]," *B. & N., J.B.*

S. repens *L.* *Creeping Willow.*

Native. B. Heaths, waysides. Rare. April-May.

First record, *Glover*, 1829.

P. Quarry near Markland Grips, *Waterfall !*

T1. Between Etwall and Spread Eagle Inn, and towards Little Derby, and adjoining lanes, plentiful.

T3. Between Willington and Twyford, *Rept. F. & F.* Roadside, Egginton, relic of former heath vegetation.

POPULUS *L.*

P. alba *L.* *White Poplar. Abele.*

Denizen. E. Hedges, woods. Rather rare. T. March-April.

First record, *Glover*, 1829.

L. Below Chee Tor, 250 yards, *Baker, J.B.* Ashwood Dale; Miller's Dale, *Painter, J.B. & C.D.*

G1. Mellor, planted, *Fl. Ashton.*

C. About Renishaw, *Waterfall.*

T1. Mickleover; Etwall, *Bindley.*

T3. Planted about Calke, *Purchas, J.B.* Burton-on-Trent, *Painter, J.B.* Tanyard Lane, Repton, *Rept. F. & F.* Egginton Common.

P. canescens *Sm.* *Grey Poplar. P. alba* × *tremula.*

Denizen. E. Woods, hedges. Rare. T. March-April.

First record, *Painter, J.B.*, 1881.

G1. Mellor, planted, *Fl. Ashton.*

T3. Burton, *Hb. Mason !* Bretby, *Painter, J.B.*

P. tremula *L.* *Aspen.*

Native. B. Hedges, woods. Frequent. T. March-April.

First record, *Pilkington*, 1789.

L. R. Wye, Miller's Dale, *Rogers.* Cressbrook Dale, *Painter, J.B.* Near the Doveholes, Dovedale, *Purchas, J.B.* Carsington.

G1. Goyt's Clough, 450 yards, *Baker, J.B.* Stirrup, *Fl. Ashton.* Hollinworth Clough; Edale.

G2. Shatton; near Eyam; Froggatt (var. *villosa* (Lange)); by the Derwent, Hathersage.

C. About Renishaw, *Waterfall,* Breadsall Moor, *Crewe & Whittaker.* Belmont, near Brampton. S. Normanton, *Pilkington.*

T1. Kedleston, *Gibbs*. Sinfin Moor; Church Broughton; Cubley Brook; Longford. Markeaton, *Pilkington*.

T2. Wilsthorpe, towards Sawley Junction.

T3. About Calke, perhaps wild, *Purchas, J.B.* Repton Shrubs and Rocks, *Gibbs*. Repton, *Rept. F. & F.*

***P. nigra** *L. Black Poplar.*

Alien. Hedges, riversides, plantations. Frequent. T. March.

First record, *Glover*, 1829.

L. Wye Valley, up to Ashwood Dale, 300 yards, likely planted, *Baker, J.B.* Planted, woods, Matlock, *B. & N., J.B.*

G2. Padley.

C. The Moss, Mosbrough.

P. Langwith.

T1. Mickleover, *Bindley*. Hatton.

T3. Planted about Calke, *Purchas, J.B.* Burton, *Hb. Mason!* Swarkeston, *Painter, Nat*[t]. Repton, *Rept. F. & F.*

EMPETRACEÆ.

EMPETRUM *L.*

E. nigrum *L. Crowberry.*

Native. SH. Moors, heaths. Locally abundant. S. April.

First record, Ray. Cat., 1677. *Erica baccifera procumbens nigra, C.B.*

G1. Abundant on Axe Edge, up to the peak, over 550 yards, *Baker, J.B.* Corbar Hill, N.E. Slope, *Rogers*. Glossop Moors, *Painter, J.B.* Abundant near Chapel-en-le-Frith, *Bot. Guide*. Moors beyond Mam Tor and Win Hill, from Castleton, *Watson's N.B.G.* Hayfield, *Barrow*. Edale; Hathersage.

G2. Between Chatsworth and Sheffield, *Hb. Bicheno*. Tansley Common, *Crewe & Whittaker*. Abney Clough; Froggatt; by Hay Wood, Grindleford; under Raven Tor, and near Wrag's Quarry, Beeley; Dethick Common.

C. Totley Moss.

CERATOPHYLLEÆ.

CERATOPHYLLUM *L.*

C. demersum *L. Hornwort.*

Native. EB. Pools, ponds, slow streams. Rare. P. July-Aug.

First record, *N.H. Tutb.*, 1863.

C. Ponds, Sutton Scarsdale.

T1. In a pond to the right of the road from Sudbury Station to Sudbury; in a piece of water west of Radbourn.

T3. Bretby; Drakelow, *N.H. Tutb.* A scrap of this plant (labelled *Chara vulgaris*) by Bloxam, from Ticknall Limeworks, *Purchas, J.B.* R. Trent at Burton, *Hb. Mason.*

2. MONOCOTYLEDONES.

HYDROCHARIDEÆ.

ELODEA *Michx.*

E. canadensis *Michx. Canadian Water Thyme. Anacharis Alsinastrum* Bab.

Colonist. Rivers, canals, brooks, pools. Frequent. P. July-Sept.

First noticed, 1849, *Chest. S.N.Sc.*, 1885, 125 sqq.; first record, *Crewe & Whittaker*, 1864.

L. Matlock Bath, *Rogers.*

G1. Mellor, *Fl. Ashton.*

G2. Cromford Reservoirs; canal at Whatstandwell, *B. & N., J.B.*

C. Renishaw Canal; Pebley Pond; canal, Killamarsh; Alfreton.

P. Langwith.

T1. Findern; Markeaton, *Painter, Natt.* Shirley Brook; canal below Osmaston.

T2. Railway pits, Breadsall; Morley, *Crewe & Whittaker.* Sandiacre; Sawley.

T3. About Calke, *Purchas, J.B.* Burton-on-Trent, *Painter, J.B.* Repton, *Rept. F. & F.*

ORCHIDEÆ.

NEOTTIA *L.*

N. Nidus-avis *L. Bird's-nest Orchis.*

Native. BE. Limestone woods, and occasionally in rocky woods elsewhere. Rather rare. P. May-June.

First found, *Salt*, 1802; first record, *Glover*, 1829.

L. Lathkil Dale; Dovedale, *Painter, J.B.* In the woods near Mr. Arkwright's grounds and Matlock Bath, *Glover.*

G1. Wood on the left bank of the Etherow, near Mottram, sparingly, *Buxton's B.G.*

G2. Woods by Black Rocks, Cromford, *Crewe & Whittaker.*

C. Meersbrook, *Hb. Salt.* Mr. Gibbs opines this to have been probably a garden specimen.

T1. Wyaston Brook, *Smith MSS.*

T3. Repton Shrubs, *Rept. F. & F.*

I.
2

LISTERA *R. Br.*

L. cordata *R.Br. Lesser Tway-blade.*

Native. SH. Among heather on damp moorland. Very rare. P. June-Aug.

First record, *Ray. Cat.*, 1677. *Bifolium minimum* J.B. *Ophris minima* C.B. "*On several moors and heaths in Derbyshire.*"

G1. Kinderscout, *Bot. Guide.*

G2. Gathered on the high moors about 5 miles S.W. of Sheffield, *Hb. Salt.* On the high moor between Sheffield and Chatsworth, *Pilkington.* Beeton Rod, Hassop, *Gem of the Peak.*

L. ovata *R.Br. Tway-blade.*

Native. B. Woods, damp banks and waysides. Common. P. May-July.

First record, *Pilkington*, 1789. *Ophrys ovata.*

In all the districts, generally distributed. "Woods over Burbage, 400 yards," *Baker, J.B.* Chee Dale, 300 yards, *West, J.B.*

SPIRANTHES *Rich.*

S. autumnalis *Rich. Ladies' Tresses.*

Native. E. Pastures on limestone or gravel. Very rare. P. Aug-Sept.

First record, *Gisborne*, 1790-1795. *Ophrys spiralis.*

L. Dovedale, *Smith MSS.* Matlock, *Gisborne.* Bonsall, *Crewe & Whittaker.*

T1. On the turf between the New Lake, Osmaston Manor, and the fences above, *Smith MSS.*

T3. Repton, *Rept. F. & F.*

CEPHALANTHERA *Rich.*

C. pallens *Rich. White Helleborine. C. grandiflora* Bab. Top. Bot. 386.

Native. E. Woods, generally on limestone. Very rare. P. June.

First record, *Pilkington*, 1789. *Serapias longifolia.*

C. Newton Wood, *Pilkington.*

[**C. ensifolia** *Rich.*

T1. Markeaton, *Glover.*]

EPIPACTIS *Adans.*

E. latifolia *All. Helleborine.*

Native. BE. Shady parts of woods, copses. Local. P. End of July-Aug.

First record, *Withering*, 1787.

L. Matlock Tor, Matlock Bath; Via Gellia, *Rogers.* Cromford; Cressbrook Dale; Bradwell, *Painter, J.B. & Natt.* Dovedale; Brassington Rocks, *Purchas.* Woodland N.W. of Wensley, on shale.

G2. Chatsworth, *Harris, C.D.* Crich, *Nowers.* Lindup Wood, opposite Beeley; west of Kirk Ireton; quarry, Fallgate, Ashover.

C. By upper pool, Birley Hay, Ford; lane east side of Stubbing Court.

T1. Osmaston-by-Ashbourne, *Smith MSS.* Radbourn, *Bindley.* Peathays, Shirley; Edlaston Coppy; wood at the Knowl, Bradley.

T2. Breadsall, *Whittaker, C.D.* The roadside next Locko Park, to the left from Spondon, *Smith MSS.* Spondon, *Hassé, C.D.*

T3. Woody places at Calke, subject to doubt as to whether the name of *latifolia* or *media* should be employed, *Purchas, J.B.* Bretby, *Gibbs.* Repton Shrubs, *Wild Fl. Rept.*

The limestone plant should perhaps be varietally distinguished from the type, as it in some features approaches *E. atrorubens*, see *Purchas, J.B.*, 1885, 201.

E. atroviridis *nov. sp.*

Native. *EG.* In woods and copses, mostly on the coal measures. Rare. P. Aug.

First record, *The Flora.*

G2. By Bar Brook, above Baslow, *Linton.* Woods in Chatsworth Park; woods below Ashover Hay.

C. Newbold; Sutton Wood, *Drabble.* Linacre Wood, Old Brampton; Monk's Wood, near Sheepbridge; wood by Pebley Pond.

This plant is in some respects intermediate between *E. latifolia* and *E. atrorubens.* It has the broad rounded leaves of the former but rather more numerous lanceolate leaves between the lower leaves and the flowering spike; the label is furnished with two side hunches and one median linear hunch descending lower than the side ones; in size and robustness it is like *E. latifolia*, its flowers are not rose coloured or not so much so as in *E. atrorubens. E. media* of *Bab. Man.* is considered by J. Freyn (*B.E.C. Rep.*, 1897) to be merely a form of *E. latifolia*, which view is held also by Rev. W. H. Purchas (*J.B.*, 1885, 201), "the larger and more general plant which Prof. Babington pointed out to me as his *E. medis*, but which better answers to his description of *E. latifolia.*" *E. media, Bab. Man.*, 1874; *Watson, Cyb. Brit.*, 1847.

EXPLANATION OF PLATE—1. Fig. of *E. atroviridis*, life size. 2. Front and side view of label, showing the hunches, slightly enlarged.

E. atrorubens *Schultz. E. ovalis* Bab. *E. media* Fr. ?

Native. I? Open or bushy places on limestone hills and slopes. Rare, plentiful locally. P. July-August.

First record, *B.E.C. Rep.* for 1898, 1899.

L. Heights of Abraham, Matlock, *Hb. Mason?* Longstone Edge, nearly 400 yards, abundant; Cressbrook Dale, on the open hillside, 1896.

E. palustris *Crantz. Marsh Helleborine.*

Native. EB. Marshes, boggy places in woodland. Local and rare. P. July-August.

First record, *Pilkington*, 1789. *Serapias latifolia.*

L. Matlock, *Pilkington.* Woodeaves, near Ashbourne, *Glover.*

G2. Bramley and Hassop, *Gem of the Peak.* I could not find this in Bramley Dale.

C. Newton Wood, *Pilkington.*

P. Scarcliffe Park Wood, abundant in one place.

ORCHIS *L.*

O. pyramidalis *L.*

Native. GE. Limestone slopes, dry calcareous banks. Local. P. June-August.

First record, *Pilkington*, 1789.

L. Matlock Bath; Dovedale, *Painter*, *J.B.* Monsal Dale, *Whittaker*, *C.D.* Via Gellia; near Hipley Toll Bar, *Purchas*, *J.B.* & *Cat.* Below Alport, *Watson's N.B.G.* Bonsall, *Crewe* & *Whittaker.* Cressbrook Dale; Longstone Edge, over 350 yards.

C. Newton Wood, *Pilkington.*

P. Cresswell, *Painter*, *Nat*^{t}. Markland Grips.

T2. Ockbrook, *Smith MSS.*

O. ustulata *L.*

Native. GE. Limestone pastures, dry banks. Very rare. P. June-July.

First record, *Pilkington*, 1789.

L. Near Ashwood Dale, Buxton, *Jewitt.* Matlock Bath, *Painter*, *J.B.!* Top of Masson Hill, between Matlock Bath and Bonsall, *Glover.*

C. Alfreton; S. Normanton, *Pilkington.*

O. Morio *L.* *Green-winged Orchis.*

Native. E. Meadows, pastures. Frequent. P. May-June.

First record, *Pilkington*, 1789.

L. Matlock Bath, *Painter*, *J.B.* Miller's Dale, *Hagger*, *C.D.* Dovedale, *Phyt. N.S.*, 1858, 538. Buxton, about Ashwood Dale, *Jewitt.*

G2. Crich, *Pilkington.*

C. About Renishaw, *Waterfall.*

T1. Normanton; Mickleover, *Painter*, *J.B.* & *Nat*^{t}. Littleover, *Bindley.* Copse Hill, Osmaston-by-Ashbourne, *Smith MSS.* Shirley; fields, Yeldersley; between Rodsley and Alkmonton; near Hollington, Longford.

T2. Ockbrook, *Hassé*, *C.D.* Breadsall, *Crewe* & *Whittaker.* Morley, *Painter*, *J.B.*

T3. Near Calke Mill and Ticknall, *Purchas*, *J.B.* Bretby, *Gibbs.* Willington Pits, *Hagger*, *C.D.* About Burton-on-Trent, *Painter*, *J.B.* Hartshorn, *N.H. Tutb.* Repton, *Wild Fl. Rept.*

O. mascula *L.* *Early Purple Orchis.*

Native. B. Banks in woods, copses. Frequent. P. May-June.

First record, *Pilkington*, 1789.

L. Wormhill, 350-400 yards, *West, J.B.* Miller's Dale, *The Naturalist.* Dovedale, common, *Purchas, J.B.* Buxton, *Buxton Guide.* Via Gellia, *Gibbs.* Matlock, *Stevens.* Cromford, *Bindley.* Lathkil Dale; Bradwell, *Painter, Nat^t.* Great Rocks Dale; Back Dale, near Hindlow; Monk's Dale; Ashford; Cressbrook; Litton.

G1. Stirrup, *Fl. Ashton.* Road west of Chapel, *Phyt. N.S.* ii., 482.

G2. Crich, *Pilkington.*

C. About Renishaw, *Waterfall.* Wood, near Heeley, *The Naturalist.* Near Dale, *Hassé, C.D.* Horsley, *Pilkington.*

P. Markland Grips, *Waterfall.* Langwith Wood.

T1. Wyaston, *Smith MSS.* Edlaston, *Miss Sandford.* Radbourn; Normanton, *Painter, Natt. & C.D.* Between Yeaveley and Snelston, *A. Linton.* Copses east of Alkmonton.

T2. Ockbrook, *Smith MSS.* Breadsall Meadow, near the Priory, *Glover.*

T3. Scarce about Calke, *Purchas, J.B.* Parson's Hills, Repton, *Wild Fl. Rept.*

O. latifolia *L. Marsh Orchis.*

Native. B. Marshes, bogs. Local and rare. P. June-July.

First record, *Pilkington*, 1789.

L. Monsal Dale, *Painter, J.B.* Opposite the Fishponds, Ashford, on the Buxton Road, *Miss Fenton.*

G1. Between Chapel and Whaley Bridge, *Barrow* (*June* 7, 1869), *in Hb. Bailey!* This is the plant commonly called *O. incarnata* by British authors, but is not that of Linnæus.

C. Totley Moss.

P. Pleasley, *Pilkington.*

T2. In a small meadow near the cold bath at the Priory, Breadsall, *Glover.*

T3. One specimen seen at Calke, *Purchas, J.B.* Parson's Hills, Repton, *Wild Fl. Rept.*

O. maculata *L. Spotted Orchis.*

Native. B. Damp waysides, heaths, marshes, meadows. Common and abundant everywhere. P. May-July.

First record, *Pilkington*, 1789.

Varies in colour of the flowers, shape of the lip and spotting of the leaves.

Subsp. *ericetorum* Linton. *Flora of Bournemouth*, 208.

G1. Near the Grouse Inn, between Little Hayfield and Glossop.

OPHRYS *L.*

O. apifera *Huds. Bee Orchis.*

Native. EG. Limestone dales, sand, clay banks. Rare. P. July.

First record, *Pilkington*, 1789.

L. Monsal Dale; Matlock Bath, *Painter, J.B.* Masson Hill, *Gisborne.* Between Matlock and Carsington, *Smith MSS.* Bradwell Dale, *Emmet.* Longstone Edge, *Linton.*

P. Belph Moor, Whitwell.

T2. One plant only, near Trent College, *Trent, C.M.*

T3. Not found by either Mr. Bloxam or myself, but I have learned on sufficient authority that it has latterly been met with in this neighbourhood [Calke], ***Purchas, J.B.***

O. muscifera *Huds. Fly Orchis.*

Native. EG. Bushy places on limestone. Local and rare. P. June-July.

First records, *Gisborne*, 1793; *Bot. Guide*, 1805.

L. Monsal Dale, *Crewe & Whittaker.* Via Gellia, *Smith MSS.* Matlock Bath, *Painter, J.B.* Dovedale, *Purchas, J.B.* Near Hartington, *Fyldes.* Longstone Edge, *Miss Fenton.*

P. Markland Grips, near Clowne, *Waterfall, C.D.*

HABENARIA *Willd.*

H. conopsea *Benth. Fragrant Orchis.*

Native. B. Limestone dales, marly banks, meadows. Rather rare. P. June-July.

First record, *Pilkington*, 1789.

L. Monk's Dale, Wormhill, 350 yards, *West, J.B.* Near Ashwood Dale, *Green, C.D.* Bradwell; Cressbrook Dale; Masson, Matlock Bath, *Painter, Natt. & J.B.* Lathkil Dale, *Smith MSS.* Via Gellia, sometimes with white flowers; near Grange Mill, *Purchas.* Litton; Longstone Edge.

G1. Hayfield, *Fl. Ashton.* R. Sett, *Linton.* Near Westend Farm, *Gibbs.*

C. Newton Wood.

P. Markland Grips; Scarcliffe Park Wood. Pleasley, *Pilkington.*

T1. Near Osmaston Church, Ashbourne, *Smith MSS.*

T2. On the way to Dale from the Ridings, and on both sides of the brook in a moist meadow [Ockbrook], *Smith MSS.*

H. albida *R.Br. Gymnadenia albida* Rich.

Native. S. Hilly pastures. Very rare. P. June-Aug.

First record, *Glover*, 1829.

G1. Near Glossop, *Whitelegg, C.D.* It occurs on the Cheshire side near Goyt's Bridge, *Ley.*

H. viridis *R.Br. Frog Orchis. Coeloglossum viride* Hart.

Native. BS. Pastures, downs, especially on limestone. Local. P. June-Aug.

First records, Gisborne, 1793; *Bot. Guide*, 1805.

L. Diamond Hill, Buxton, *Rogers.* Matlock Bath, *Painter, J.B.* Pastures near Ripley Toll-bar, between Parwich and Brassington, *Purchas, J.B.* Bole Hills, Bakewell, *Crewe & Whittaker.* Longstone Moor; Bradwell; High Rake, Great Hucklow; near Blackwell Mill, Chee Dale; Back Dale, Hindlow.

G1. Hayfield; Charlesworth Coombs, *Fl. Ashton.* From the neighbourhood of Chapel-en-le-Frith, *Bot. Guide.* Near Ashopton Inn.

G2. Wirksworth, *Gibbs.* Whatstandwell, *Painter, Nat^l.* Stanton, *N. H. Tutb.* Eyam Moor.

P. Whitwell Wood, *Friend.* Belph Moor.

T1. Yeldersley, *Miss Wright.*

T2. Meadow N. of brook below Spondon Fields, *Smith MSS.* Ockbrook, *Hassé, C.D.*

T3. Meadows at Calke, *Purchas, J.B.* Bretby, *Gibbs.* Foremark, *Painter, J.B.* Repton, *Rept. F. & F.*

H. bifolia *R.Br. Butterfly Orchis.*

Native. B. Woodland, heaths, meadows. Rare. P. June-July.

First records, for the aggregate, *Gisborne*, 1790-95; *Glover*, 1829; for the segregate, *Top. Bot.*, 1874, & 1883, 390.

L. Buxton, *Buxton Guide.* Between Ashbourne and Woodeaves, *Glover.*

G1. Newfields near Chapel, going down to the brook on the left, *Gisborne.*

C. Ferriby Brook, Morley, one specimen, *Whittaker, C.D.* Meadows near Dale, *Hassé, C.D.*

T3. Milton, *Rept. F. & F.*

N.B.—None of the above are certainly *H. eu-bifolia;* the entry in Top. Bot., however, evidences its occurrence in the County.

H. chloroleuca *Ridley. Butterfly Orchis. H. chlorantha* Bab.

Native. B. Bushy places, meadows, woods. Rather rare. P. June-July.

First record, *Smith MSS.*, 1854-1870.

L. Lathkil Dale; Matlock Bath, *Whitelegg, C.D.* Dovedale, *Smith MSS.* Between Thorpe and Mappleton, *Purchas, J.B.* Bradwell, *Emmet.*

G1. Near the Powder Mills, Fernilee, *Barker.* Stirrup; Charlesworth Coombs, *Fl. Ashton.* Near Westend Farm, *Gibbs.* Combes Moss, *Linton.*

G2. Froggatt Edge, *Gibbs.*

T1. Osmaston-by-Ashbourne, and meadows throughout the district, *Smith MSS.* Snelston Park; between Edlaston and Cubley, *Miss Sandford.* Shirley, in meadows near the wood.

T3. Calke district, "*H. bifolia* in Bloxam's collection seems to be rather *H. chlorantha,*" *Purchas, J.B.*

[Cypripedium Calceolus *L. Lady's Slipper.*

L. Formerly found on the Heights of Abraham but long since extirpated, *Crewe & Whittaker.*]

IRIDEÆ.

IRIS *L.*

[**I. fœtidissima** *L.* Alien? E.

L. Near Willersley Park, *N. H. Tutb.*]

I. Pseudacorus *L.* *Yellow Iris.*

Native. B. Marshes, river-sides. Frequent. P. June-July.

First record, *Pilkington*, 1789.

The usual form of this species is the *I. acoriformis* Bor.

C. About Renishaw, *Waterfall.* Mill pool N.E. of Fritchley. Tibshelf; Pinxton, *Pilkington.*

T1. Low wet meadows and margins of pools and streams [Osmaston-by-Ashbourne neighbourhood], *Smith, MSS.* Near Clifton, *Purchas.* Findern, *Painter, Nat^t.* Shirley, *J.B.*, 1888, 331.

T2. Meadows by R. Derwent, Breadsall, *Crewe & Whittaker.* Osmaston-by-Derby, *Painter, J.B.* Canal-side near Chellaston; Sawley.

T3. Pond-side at Calke, *Purchas, J.B.* Burton-on-Trent; Willington, *Painter, J.B. & Nat^t.* Repton, by the Trent, *Wild Fl. Rept.*

CROCUS *L.*

C. nudiflorus *Sm.*

Denizen. I. Meadows, damp pastures. Rare. P. Oct.

First record, Withering, 1787. *C. sativus.*

G2. Duffield, near the banks of the Derwent, *Pilkington*, 1789 (*C. officinalis*). By the Derwent, near Derby, *Whittaker, Phyt.*

T1. Holmes and Siddals near Derby, *Pilkington.*

T3. Meadows by the Trent, Repton, *Wild Fl. Rept.*

AMARYLLIDEÆ.

NARCISSUS *L.*

N. Pseudo-narcissus *L.* *Daffodil.*

Native. E. Woods, copses, pastures. Locally abundant. P. March-May.

First record, *Pilkington*, 1789.

L. Woods near Matlock Bridge, *Stevens.* Cromford, *C.D.*

G1. Valley of the Goyt, *Green, C.D.* Field near a farmhouse at Tunstead Milton, Chapel-en-le-Frith, *Barker.*

G2. Alderwasley, *Gibbs.* Whatstandwell, *Painter, J.B.* Woods, Rowsley, *Miss Fenton.* Covers a whole meadow on the banks of the Derwent near Lea Wood, *Pilkington.*

C. Horsley Castle; woods, Coxbench, *Whittaker*, *Phyt.*

P. Scarcliffe Woods, *Waterfall.*

T1. Bradley, *Appleby.* Near Mercaston Hall, Brailsford; about Nether Biggin.

T2. Fields between Borrowash and Draycott, abundantly, *Smith MSS.* Spondon, *Smith*, *C.D.* Breadsall Meadow, *Pilkington.*

T3. Calke Park (*Bloxam*), now I believe it to be long extinct, *Purchas*, *J.B.* Drakelow, *Hb. Mason!* By the Old Trent, Repton, *Wild Fl. Rept.* Swarkeston Meadows, *Bloxam.*

***N. biflorus** *Curt.*

Alien. Meadows. Very rare. P. April-May.

First record, *Watson's N.B.G.*, 1837.

L. Starkholmes, Matlock Bath, *Rowland*, *C.D.* Matlock, *Hb. Mason.*

C. Heanor, *Watson's N.B.G.*

***N. poeticus** *L.*

Alien. Very rare. P. April-May.

T1. Kedleston, *Painter*, *J.B.*

GALANTHUS *L.*

G. nivalis *L.* *Snowdrop.*

Denizen. Fields, banks, plantations, in many places now quite wild. Frequent. P. End of Feb.-April.

First record, *Glover*, 1829.

L. Matlock, *Stevens.*

G2. Cromford, *Gibbs.* In a meadow near Duffield; at Kirk Ireton, *Glover.*

C. Coldwell Valley, near Holmesfield, *Drabble.*

T1. Near New Inn, Edlaston, towards Osmaston, *Miss Sandford.* Shirley Common; about Nether Biggin.

T2. Morley; Elvaston, *Painter*, *J.B.* Breadsall Meadow, *Glover.* Ockbrook, *Smith MSS.*

T3. Drakelow, *Nowers.* By the Old Trent, *Wild Fl. Rept.* Tan-yard, Repton.

DIOSCOREÆ.

TAMUS *L.*

T. communis *L.* *Black Bryony.*

Native. E. Hedges, copses, woods. Common. P. June-Aug.

First record, *Pilkington*, 1789.

Abundant; in all the districts. "Limestone woods [about Matlock] up to 250 yards," *B. & N.*, *J.B.*

LILIACEÆ.

RUSCUS *L.*

***R. aculeatus** *L.* *Butcher's Broom.*

Alien, often planted.

T3. Croxall, *Nowers.*

POLYGONATUM *Adans.*

P. multiflorum *All.* *Solomon's Seal.*

Denizen? EG. Woods, dales. Rare. P. May-June.

First record, *Pilkington*, 1789.

L. Woods opposite Matlock Bath, *Glover.* Via Gellia; near Cromford, *Crewe & Whittaker.*

G2. Duffield, *Stevens.*

P. Pleasley Park, *Pilkington.*

T3. Naturalised in woods near Foremark Hall, *N.H. Tutb.*

P. officinale *All.*

Native. E. Wooded limestone cliffs. Very rare. P. May-June.

First record, *Top. Bot.*, *Ley MS.* 1873; also *Purchas*, *B.E.C. Rep.*, 1881, 57.

L. Dovedale, *Purchas*, *l.c.*

CONVALLARIA *L.*

C. majalis *L.* *Lily-of-the-Valley.*

Native. GB. Woods, bushy places on hills, limestone dales. Locally abundant. P. May-June.

First record, *Pilkington*, 1789.

L. Dovedale, *Purchas.* Abundant on the slopes of the Via Gellia, *B. & N.*, *J.B.* High Tor, *Stevens.* Lathkil Dale; Monsal Dale; Bakewell, *Painter*, *J.B. & Nat^t.* Great Shacklow Wood; Brassington Rocks, scarce.

P. Cresswell, *Painter*, *Nat^t.*

T2. Wood between Bartlewood Farm and Dale, *Smith MSS.*

T3. Anchor Church, *Wild Fl. Rept.*

ALLIUM *L.*

A. vineale *L.* *Crow Garlic.*

Native. EB. Cliffs, banks, walls. Local. P. June-July.

First record, *Withering*, 1787.

P. Near Magnesium Works, Streetly, *Friend.*

Var. *bulbiferum* Syme.

L. Tideswell Dale.

C. Side of Field, Barlow Lees, *Gibbs.*

Var. *compactum* (Thuill).

L. High Tor, Matlock Bath, *Phyt. N.S.*, 1858, 556. Bakewell, *Hb. Salt.* Dovedale, *Purchas.* Castleton, *Painter, J.B.*

G2. Calver (Cover), *Hb. Salt.* Ashover, *Glover.*

T2. Morley, *Whitaker, C.D.* Breadsall, *Glover.* Meadows by the riverside at Sawley, *Smith MSS.*

T3. Between Stapenhill and Cauldwell, *N.H. Tutb.*

A. oleraceum *L. Field Garlic. Wild Onion.*

Native. GE. Limestone cliffs, field borders, bushy slopes. Rare. P. July-Aug.

First record, *Glover*, 1829.

L. In the cliffs of the rocks, Dovedale, 1100 ft., *Purchas, J.B.* The Winnatts; Conies Dale, over 400 yards; Great Rocks Dale.

T2. Canal path between Sandiacre and Long Eaton.

T3. Near Repton, *Hagger, C.D.* Near Ingleby and Knowl Hills, *Rept. F. & F.*

[**A. Schoenoprasum** *L.* Native?

Top. Bot. "insufficiently recorded."

L. Once seen at Winster, *Milnes, C.D.*]

A. ursinum *L. Ramsons.*

Native. BE. Hedge-banks, brook-sides, woods. Locally abundant. P. May-June.

First record, *Pilkington*, 1789.

L. Matlock Bath, *Rowland, C.D.* Dovedale, *Purchas, J.B.* Buxton, *Buxton Guide.* Fenny Bentley, *Carr.* Haddon, *Bindley.*

G2. Grindleford; Hathersage, *Painter, Nat^t.* Cromford, *Gibbs.* Ireton, *Gisborne.* Lindup Wood, near Chatsworth; Ecclesbourn Brook.

C. About Renishaw, *Waterfall.* Woods between Norton and Eckington, *The Naturalist.* Near Nether Loads; Linacre Wood, Brampton; Newton Wood; Barlborough.

P. Whitwell Wood; Cresswell Crags; Markland Grips, *The Naturalist.* Langwith Wood.

T1. Osmaston-by-Ashbourne neighbourhood, *Smith MSS.* Dalbury, *Glover* Near the Derwent, Allestree Park; Yeaveley; Edlaston; Cubley; Corley, near Bradley. Longford long lane, *Pilkington.*

T2. Breadsall; Dale Abbey Woods, *Painter, J.B.* Darley near Derby in an island in the Derwent, *Pilkington.*

T3. Bank of brook at Heath End, Calke, *Purchas, J.B.* Bretby, *Gibbs.* Burton-on-Trent, *Painter, J.B.* Repton Shrubs, *Wild Fl. Rept.*

SCILLA *L.*

S. festalis *Salisb.* *Bluebell.* *S. nutans* L. *Endymion nutans* Dum. *Hyacinthus nonscriptus* L.

Native. B. Woods, hedge-banks. Common. P. May-June.

First record, *Pilkington*, 1789.

Generally distributed. "Woods at Matlock up to 300 yards," *B. & N.*, *J.B.* Over 300 yards near the Snake Inn. White-flowered plants occur here and there, as at Shirley.

ORNITHOGALUM *L.*

***O. nutans** *L.* *Star of Bethlehem.* Alien.

T2. Meadows near Derby, *Sm. Engl. Fl.*

***O. umbellatum** *L.* *Star of Bethlehem.*

Alien. Pastures, meadows. Rare. P. May.

First record, *Glover*, 1829.

L. Near Haddon Hall, *Scrimshaw*, *C.D.*

T1. In the Holmes, Derby, *Glover*.

TULIPA *L.*

***T. silvestris** *L.* *Wild Tulip.*

Alien. Old pastures, near streams. Very rare. P. April-May.

First record, *Glover*, 1829.

T1. Kedleston, remains of former cultivation, *Whitaker. Phyt.* In the Holmes, Derby, *Glover*. Naturalised near Sudbury Hall, *N.H. Tutb.*

T2. Banks of the Derwent, *Watson's N.B.G.*

GAGEA *Salisb.*

G. fascicularis *Salisb.* *Yellow Star of Bethlehem.* *G. lutea* Ker.

Native. IB. Woods, copses. Local and rare. P. Mar.-April.

First record, *Withering*, 1787. *Ornithogalum luteum.*

L. Near Bonsall Church, *Rowland*, *C.D.* Meadow Place Wood, near Youlgreave, *Watson's N.B.G.* Lathkil Dale, on the right bank of river between Conksbury Bridge and the bend in the Dale; Bradford Valley, *Carr.* Brassington Rocks, *Gibbs.* Wood above Cawdor Rocks, Matlock Bridge, *Stevens.* Cressbrook, *Hill.*

C. Parkhall Woods, *Pilkington.* Field above the Bridge at Beighton, *Hb. Salt.* By R. Erewash, near Langley Mill, *Smith MSS.*

T1. Meadow adjoining to the Copper Mills, Derby, *Pilkington.*

COLCHICUM *L.*

C. autumnale *T. Autumn Crocus. Meadow Saffron.*

Native. E. Meadows, damp pastures, woods. Local. P. Aug.-Sept.

First record, *Withering*, 1787.

G2. In the pastures betwixt Duffield and Burley, *Pilkington.*

T1. Cubley, *Goodall.* Between Marston Montgomery and Doveridge, *Smith MSS.*

T2. Morley, *Painter, J.B.* Plentiful in some spots near the Derwent, above Derby, *N.H. Tutb.* Breadsall, *Pilkington.*

T3. Meadows at Swarkeston and Ingleby, *Purchas, J.B.* Foremark Meadows, *Painter, J.B.* Meadows by the Trent at Anchor Church, *Rept. F. & F.*

NARTHECIUM *Moehr.*

N. Ossifragum *Huds. Bog Asphodel.*

Native. B. Bogs, marshes. Locally plentiful. P. July-Aug.

First record, *Pilkington*, 1789.

G1. Axe Edge, *Rogers.* Near Fernilee Hamlet, in a wet place at the side of Buxton New Road, *Barker.* Kinderscout, *Fl. Ashton.* Near Malcoff, Chapel-en-le-Frith; Bamford Moor; swamp between Moscar House and the road to Strines.

G2. East Moor, *Scrimshaw, C.D.* Abundant in bogs near Ringinglow, Dore, and Owler Bar, *The Naturalist.* Tansley Moor, *Stevens.* Near Hathersage, Booths; Salter Sich and other places near the Peacock Inn; Harland Edge, and Hipper Sich, near Beeley. Dethick, *Pilkington.*

T1. Hulland Moss.

PARIS *L.*

P. quadrifolia *L. Herb Paris.*

Native. BE. Woods. Local. P. May-June.

First record, *Withering*, 1787.

L. Buxton, *Buxton Guide.* Matlock Bath; Via Gellia, *Painter, J.B.* Taddington Dale, *Gem of the Peak.* Dovedale, scarce, *Purchas, J.B.* Monsal Dale, *Jewitt.*

G1. Near Mellor, *Buxton's B.G.*

C. Newton Wood; Pinxton, *Pilkington.*

P. Small wood near The Walls, Whitwell.

T1. Shirley Wood, *Smith, MSS.* Copses east of Alkmonton. In Longford long lane; in a pit near Dalbury Lees, *Pilkington.* Darley, near Derby, *Glover.*

T2. Breadsall, *Whittaker, Phyt.* Spondon, and near Dale, *Hassé, C.D.*

T3. Brian's Copse, near Ticknall; also found by Mr. Bloxam in Calke Park, but no longer seen there, *Purchas, J.B.* Bretby, *Gibbs.* Repton Rocks, *Linton.* Burton-on-Trent, *Painter, J.B.*

JUNCACEÆ.

JUNCUS *L.*

J. bufonius *L. Toad Rush.*

Native. B. Moist places by roads, ponds, on moors, and in woods. Common. A. July-Sept.

First record, *Glover*, 1829.

Generally distributed and plentiful. "Common up to 500 yards," *Baker*, *J.B.*

J. squarrosus *L. Heath Rush.*

Native. B. Heaths and heathland. Locally abundant. P. June-Aug.

First noted, *Hb. Salt*, 1800 (?); record, *Glover*, 1829.

G1. Ascends to peak of Axe Edge, over 550 yards, *Baker*, *J.B.* Corbar Hill; Diamond Hill, *Rogers*. Valley of the Goyt, *C.D.* Charlesworth Coombs; Kinderscout, *Fl. Ashton*. Chinley; Rushup Edge; near the Snake Inn.

G2. Tansley Moor, *B. & N.*, *J.B.* Moors west of Dore, *Hb. Salt*. Wirksworth, *Painter*, *Nat*^{t}. Whatstandwell, *Bindley*. East of Bradwell; Froggatt; near Chatsworth.

T1. Hulland Moss; near Bradley Wood; Slack Lane to Mugginton.

T3. Bog at Repton Rocks, *Purchas*, *J.B.* Calke, *Bloxam*. Gresley, *Painter*, *J.B.*

J. compressus *Jacq.*

Native. B. Marshy margins of pools, wet meadows. Very rare. P. June-July.

First record, *Pilkington*, 1789.

G2. Cromford Moor, *Phyt. N.S.*, 1858, 612.

T2. Ockbrook [*J. coenosus* Sm., *J. Gerardi* Lois.], *Smith MSS.* Little Chester, near Derby, *Glover*.

J. glaucus *Leers.*

Native. EB. Meadows, damp way-sides, marshy places. Common. P. July.

First record, *Glover*, 1829.

"Common up to 500 yards," *Baker*, *J.B.*

J. effusus *L.*

Native. B. Way-sides, meadows, ditches, marshes. Common. P. July.

First record, *Pilkington*, 1789.

"Common up to 550 yards," *Baker*, *J.B.*

J. effusus × glaucus. *J. diffusus* Hoppe.

Native, with the parents. E. Rather rare. P. July.

First noted, *Smith MSS.*, 1881; record, *Bailey*, *B.L. Rec.*, 1884-6, 108.

G2. Canal between Ambergate and Whatstandwell, *Bailey*.

T1. Shirley Brook, between the bridge and the smithy; near Ketcham's Inn, towards Sturston.

T2. Ockbrook, *Smith MSS.*

T3. Calke Park, *Purchas, J.B.* Drakelow, *Hb. Mason!*

J. conglomeratus *L.* *Common Rush.*

Native. B. Marshes, heaths, ditches, wet places. Common. P. July.

First record, *Pilkington*, 1789.

Generally distributed. "Up to 250 yards," *Baker, J.B.* On Win Hill, at 500 yards.

J. supinus *Moench.* *J. uliginosus* Roth.

Native. B. Moist places, ditch-sides, bogs. Common. P. July-Aug.

First record, *Pilkington*, 1789. *J. bulbosus.*

"Moorland swamps of Goyt's Clough and Axe Edge, up to 500 yards," *Baker, J.B.*

Var. *Kochii* Bab. Frequent.

G1. Near the Snake Inn, and by Stanage Edge.

C. Birleyhay, near Ford.

T1. Bog below Bradley Wood; Hulland Moss, *J.B.*, 1888, 331.

J. obtusiflorus *Ehrh.* Top Bot., "Howitt cat."

Native. E. Peaty bogs, marshes. Rare. P. July-Sept.

First record, *N.H. Tutb.*, 1863.

P. Near the Walls, Whitwell; Scarcliffe Park Wood.

T1. Scropton, *N.H. Tutb.* Shirley, *C.D.*

T3. Burton, *Hb. Mason!* Cauldwell, *N.H. Tutb.* (Southwood, just over the border, in Leicestershire.)

J. lamprocarpus *Ehrh.*

Native. B. Meadows, marshes, ditches. Common. P. July-Sept.

First record, *Pilkington*, 1789. *J. articulatus.*

"Common up to 500 yards," *Baker, J.B.*

J. acutiflorus *Ehrh.* *J. silvaticus* Reichb.

Native. B. Meadows, marshes, damp way-sides. P. Common. July-Aug.

First record, *Pilkington*, 1789.

Generally distributed and often very abundant. Up to 350 yards near Bamford, and nearly 400 yards on White Edge Moss, Grindleford.

LUZULA *DC.*

L. vernalis *DC. Small Wood Rush. L. pilosa* Willd.

Native. B. Woods, thickets. Frequent. P. April-May.

First record, *Glover*, 1829.

L. Dovedale, *Purchas.* Monsal Dale; Chee Dale; Wensley.

G2. In Corbar Wood, and up to 550 yards on Axe Edge, *Rogers, J.B.* Ludworth, *Whitehead, C.D.* Near the Snake Inn, about 400 yards; Derwent Moor; Edale; Ashopton.

G2. Lea Hill, Cromford; Whatstandwell, *Painter, Nat^t.* Eyam Moor; Shatton; near Grindleford Bridge; White Edge, Froggatt; Handley Wood, Shottle.

C. Millhouses; near Norton, *The Naturalist.* Hardwick Wood; Newton Wood.

P. Whitwell Wood.

T1. Copse Hill, Osmaston-by-Ashbourne, *Smith MSS.* Shirley Wood; Edlaston; Abbott's Clowne Holme.

T3. About Calke, *Purchas, J.B.* Bretby Wood, *Harris, C.D.* Repton Shrubs, *Wild Fl. Rept.*

L. maxima *DC. Great Wood Rush. L. silvatica* Gaud. *Juncus silvaticus* Huds.

Native. B. Woods, copses, mountain cloughs. Local. P. May-June.

First record, *Glover*, 1829.

L. Dovedale, *Painter, Nat^t.*

G1. Goyt's Clough, 400 yards, *Baker, J.B.* Charlesworth, *Whitehead, C.D.* Mellor, *Painter, J.B.* Chapel-en-le-Frith, *Rogers.* Near the Snake Inn; Edale; Back Tor; Hood Brook, Hathersage.

G2. Rowsley, *Hagger, C.D.* Black Rocks, Cromford, *Nowers.* Abney Clough; by the Derwent, below Mytham Bridge; Bar Brook, above Baslow; Handley Wood, Shottle.

C. Quarry Dam, Parkhall Woods. *Painter, Nat^t.* Millhouses, *The Naturalist.* Wilday Green, Barlow; woods N.E. of Coal Aston; near Beauchief Abbey; Linacre Wood; Millthorpe, Holmesfield; Hardwick Wood.

T1. Edlaston Coppy.

T2. Dale Abbey Woods, *Painter, Nat^t.*

T3. Calke, *Bloxam.* Drakelow; Repton Shrubs, *Painter, J.B.* Anchor Church, *Wild Fl. Rept.*

L. campestris *DC. Field Wood Rush.*

Native. B. Pastures, waysides, heaths. Common. P. April-May.

First record, *Pilkington*, 1789. *Juncus campestris.*

Widely prevalent and abundant.

L. erecta *Desv. L. multiflora* Lej.

Native. B. Heathlands, commons, moors, waysides. Frequent. P. May-June.

First record, *Top. Bot.*, 1883.

L. Lover's Leap, *Rogers*. Great Rocks Dale.

G1. Ascends to peak of Axe Edge, over 550 yards, *Baker, J.B.* Combes Moss; Edale; Ashopton.

G2. Tansley Moor, *B. & N., J.B.* Ashover Hay.

C. Moors near Sheffield [in Derbs.], *Gibbs*.

T1. Shirley.

T3. Repton Rocks, *Gibbs*. Willington, *Hb. Mason!*

Var. *congesta* Koch.

G1. Axe Edge; Corbar Hill, *Rogers, B.L. Rec.*, 1884-6, 108. Combes Moss, *Waterfall*.

G2. Tansley Moor, *B. & N., J.B.*

C. Horsley Car, *Painter, J.B.*

T1. Shirley.

T3. Calke, *Bloxam*. Burton-on-Trent, *Painter, J.B.* Repton Shrubs, *C.D.*

TYPHACEÆ.

TYPHA *L.*

T. latifolia *L.* *Reed Mace.*

Native. BE. Pools, marshes, canals. Local. P. June-July.

First found, *Salt*, 1799; first record, *Glover*, 1829.

G1. R. Etherow, *Hannan, C.D.* By a mill on the Black Brook, below Chinley.

G2. Pond in Hassop Park.

C. Norton, *Hb. Salt.* Loscoe; between Barlow Lees and Dronfield; canal near Shipley Gate; New Stanton; Pebley Pond; Hardwick, Duck Decoy; Great Pond, Wingerworth.

P. Near Glapwell Station; Scarcliffe Park Wood.

T1. Ditches and ponds [Osmaston], *Smith MSS.* Sudbury, *Gibbs*. Doveridge; marsh below Findern; between Brailsford and Brailsford Park Farm; Meynell Langley.

T2. Breadsall; Boden's Ponds, Morley, *Crewe & Whittaker*. Canal-side near Chellaston.

T3. Ponds at Calke, *Purchas, J.B.* Burton-on-Trent; Willington, *Painter, J.B. & C.D.* Repton, *Wild Fl. Rept.*

T. angustifolia *L.*

Native. E. Pools, river-sides. Rare. P. June-July.

First record, *Glover*, 1829.

P. Pond, Glapwell Woods.

T1. By the railway between Egginton and Uttoxeter, *Purchas.* Large pool by the railway below Findern.

T2. Morley, *Painter, J.B.*

T3. Archer's Pool, near White Hollows, *Purchas, J.B.* Pond below Foremark Park, *Bloxam.* Repton, *Wild Fl. Rept.*

SPARGANIUM *L.*

S. ramosum *Huds. Great Bur Reed.*

Native. B. Rivers, pools, canals, ditches. Common. P. June-July.

First record, *Glover*, 1829.

Locally abundant and generally distributed. "Ponds up to 400 yards," *Baker, J.B.*

Var. *microcarpum* Neuman.

L. Dovedale, *Painter, Nat*[t]. Brough.

C. East side of Ley's Fen, Old Brampton; Tibshelf.

T1. Pond between Yeaveley and Cubley.

[S. neglectum *Beeby.*

T3. Archer's Pool; Mr. Bloxam's specimen may perhaps be *S. neglectum, Purchas, J.B.*].

S. simplex *Huds. Bur Reed.*

Native. BE. Pools, streams, canals. Local and rare. P. July-Aug.

First record, *Glover*. 1829.

L. Ashford, *Gem of the Peak.*

G2. Pond near Bar Brook Hall, Chatsworth.

C. R. Rother, near Renishaw, *Waterfall.* Eckington.

T1. Between Ashbourne and Norbury, *Smith MSS.* Between Mugginton and Brewards' Car; Meynell Langley.

T2. Railway cuttings, Breadsall, *Crewe & Whittaker.* Sandiacre, by the canal; R. Erewash, near Long Eaton.

T3. Archer's Pool, *Purchas, J.B.* By the brook, above Egginton.

AROIDEÆ.

ARUM *L.*

A. maculatum *L. Lords and Ladies. Cuckoo-pint.*

Native. E. Hedge-banks, woods, thickets. Common. P. April-May.

First record, *Pilkington*, 1789. *Wake-Robin.*

General and abundant. "Miller's Dale to Wormhill, 350 yards," *West, J.B.*

ACORUS *L.*

A. Calamus *L.* *Sweet Flag.*

Denizen. E. Rivers, pools. Local and rare. P. June-July.

First record, *Pilkington*, 1789.

C. Cutthorpe, near Chesterfield, *Pilkington.* Norton, *Hb. Salt.* Newbold, *Drabble.*

T1. Ponds, Osmaston-by-Ashbourne, *A. Linton.*

T2. Ponds, Breadsall Priory, *Crewe & Whittaker.*

T3. Drakelow, *Gibbs.* Burton-on-Trent, *Harris, C.D.* Near Willington Bridge and the Junction Osier-beds, *Rept. F. & F.*

LEMNACEÆ.

LEMNA *L.*

L. trisulca *L.* *Ivy-leaved Duckweed.*

Native. EB. Ponds, ditches, canals. Frequent. A. June-July.

First record, *Glover*, 1829.

C. Hardwick Park; New Stanton.

T1. Pools [Osmaston-by-Ashbourne neighbourhood], *Smith MSS.* Pond between Yeaveley and Cubley; swamps near the river, Marston-on-Dove; Sudbury, by the railway; Brailsford Hall; marsh, Yeldersley Lane; pond at north end of Meynell Langley Park; Radbourn; Etwall; marshes below Findern.

T2. Sandiacre; back-water west of Sawley; Long Eaton.

T3. Near Calke Abbey, *Purchas, J.B.* Near Willington, by the road-side, *Rept. F. & F.* Pools, Stanton-by-Bridge, *Painter, Natt.*

L. minor *L.* *Duckweed.*

Native. B. Ponds, ditches, canals. Common. A. June-July.

First record, *Glover*, 1829.

General and abundant. "Ponds up to 400 yards," *Baker, J.B.*

L. gibba *L.* Top. Bot. "Howitt cat."

Native. EG. Ponds, ditches. Rare. A. July-Aug.

First noted, *Smith MSS.*, 1881; record, *Rept. F. & F.*, 1881.

C. Loscoe.

T1. Large pond right of the road between Sudbury Station and the village.

T2. Ditch between Sawley and R. Trent.

T3. Repton, *Rept. F. & F.* Drakelow, in the Trent; in a wet place by the footpath between Egginton and Egginton Station.

L. polyrrhiza *L.* *Greater Duckweed.* Top. Bot., "Howitt cat."

Native. E. Ponds, canals, ditches. Local. A. July.

First record, *N.H. Tutb.*, 1863.

C. Canal near Mastin Moor, and near Renishaw.

T2. Canal at Allenton; near Chaddesden and Spondon; Thrumpton Ferry.

T3. Knowl Hills, *Purchas, J.B.* Calke, *Bloxam.* R. Trent, *N.H. Tutb.* Repton, *Rept. F. & F.* Pond by road-side west of Willington.

ALISMACEÆ.

ALISMA *L.*

A. Plantago-aquatica *L.* *Water Plantain. Greater Thrumwort.*

Native. B. Ponds, rivers, canals. Common. P. June-Aug.

First record, *Pilkington*, 1789.

Generally distributed; in all the districts. About 250 yards near Mellor.

Var. *lanceolatum* Afz. *Glover*, 1829.

L. About Matlock, *B. & N.*, *J.B.* Dovedale, *C.D.*

C. Long Meadow, Renishaw, *Waterfall.* Margin of Pebley Pond, Barlborough.

A. ranunculoides *L.* *Lesser Thrumwort.* Top. Bot., 409.

Native. B. Marshes, bogs, ditches. Very rare. P. June-Aug.

First record, *Withering*, 1787.

P. Margin of Pebley Pond, Barlborough.

T3. Betwixt Derby and Burton, *Pilkington.* Repton, *Wild Fl. Rept.*, perhaps now extinct.

SAGITTARIA *L.*

S. sagittifolia *L.* *Arrowhead.*

Native. E. Streams, canals. Frequent at low levels. P. July-Aug.

First record, *Glover*, 1829.

G2. Canal at Whatstandwell, *B. & N.*, *J.B.* Cromford Canal, *Miss Armitage.*

C. About Renishaw, *Waterfall.* Chesterfield Canal, *Drabble.* Canal near Kirk Hallam; Killamarsh; Coal Aston; New Stanton.

T1. Findern, *Bindley.*

T2. Weston; Draycott, *Hassé*, *C.D.* Canal at Chaddesden, *Painter, J.B.* Canal, Chellaston; Thrumpton Ferry; Sandiacre; Long Eaton; Sawley.

T3. Calke, *Bloxam.* Burton-on-Trent, *Painter, J.B.* In the Trent, near Ingleby and Swarkeston Bridge, *Glover.* Old Trent, by Twyford Lane, *Wild Fl. Rept.* Drakelow.

BUTOMUS *L.*

B. umbellatus *L.* *Flowering Rush.*

Native. E. River-sides, brook-sides, canals. Frequent at low levels. P. June-Aug.

First record, *Pilkington*, 1789.

C. Old Cut going towards Norbriggs, near Staveley, *Waterfall.* Canal near Shipley Gate, and near Mastin Moor; New Stanton.

T1. Findern, *Bindley.* Canal near Stenson.

T2. Derwent banks at Ockbrook, *Smith MSS.* Draycott, *Hassé*, *C.D.* Breadsall, *Whittaker*, *Phyt.* Thrumpton Ferry; R. Trent, near Sawley.

T3. Swarkeston, *Purchas, J.B.* Anchor Church, *Hassé*, *C.D.* Bretby, *Gibbs.* Burton, *Hb. Mason!* R. Trent, Repton, *Wild Fl. Rept.* South of canal, Egginton.

NAIADACEÆ.

TRIGLOCHIN *L.*

T. palustre *L. Marsh Arrowgrass.*

Native. B. Marshy meadows, by streams and pools. Local and not uncommon. P. June-Aug.

First record, *Glover*, 1829.

L. Miller's Dale, *West, J.B.* Dovedale, *Phyt, N.S.*, 1858, 538. Great Rocks Dale.

G1. Swamps up to 550 yards on Axe Edge, *Baker, J.B.* Stirrup, *Fl. Ashton.* Charlesworth, *Whitelegg, C.D.* Malcoff, Chapel-en-le-Frith; brook-side below Rowarth; near the Snake Inn.

G2. Abney Clough; Umberley Brook, near Chatsworth.

C. Ferriby Brook, Morley, *Crewe & Whittaker.*

P. Near Clowne, *Painter, Nat^t.* Harlesthorpe, perhaps the same locality; pool in wood, near the Walls, Whitwell.

T1. Osmaston-by-Ashbourne, *Smith MSS.* Peathays, and by the wood, Shirley; marshes by the railway below Findern.

T2. Ockbrook, *Smith, MSS.* Near the canal, Sandiacre.

T3. Pond-side at Calke, *Purchas, J.B.* Burton, *Hb. Mason!* Stapenhill and Drakelow, *N.H. Tutb.* Repton Rocks, *Wild Fl. Rept.*

POTAMOGETON *L.*

P. natans *L. Floating Pond Weed.*

Native. B. Ponds, canals, ditches. Frequent. P. July-Aug.

First record, *Pilkington*, 1789.

L. Pond between Fryden Wharf and Bakewell; in a pond at Broad Close, Tissington; Heathcote, *Purchas.* Bradwell, *Painter, Nat^t.* Pond between Great Rocks and Fairfield Common; between Ashford and Taddington.

G1. Ponds up to 400 yards, *Baker, J.B.* Chisworth; near Lee, Mellor.

G2. Whatstandwell, *B. & N., J.B.* Cromford Canal, *Rogers.* Chatsworth Park; small pond near Hassop Station; between Cross o' th' Hands and Shottle Gate; near Stony Middleton.

C. About Renishaw, *Waterfall.* Kirk Hallam; Beighton; pool east of Killamarsh; Parkhall, Barlborough; New Stanton; Dale; Hardwick; Pebley Pond; Sutton Scarsdale; Tibshelf.

P. Pool by Cresswell Crags; pool in Langwith wood.

T1. Kirk Langley, *Bindley.* Bradley; Yeldersley Lane; Wyaston; between Allestree and Quarndon; near the Dove, Sudbury. Moist Ground adjoining Radbourn Common, *Pilkington.*

T2. Near Trent Station; Breadsall, *Crewe & Whittaker.* Canal, Chaddesden; Sawley.

T3. Archer's Pool, *Purchas, J.B.* Bretby, *Nowers.* Repton, *Wild Fl. Rept.* Pond by the canal, Egginton.

P. polygonifolius *Pour.*

Native. B. Moorland rills, pools, and ditches. Frequent; locally plentiful. P. July-Aug.

First record, *B. & N., J.B.*, 1884.

G1. Kinderscout; Charlesworth Coombs, var. *ericetorum*, *Fl. Ashton.* R. Westend, *Gibbs.* Near the Snake Inn; on Nether Moor, near Jaggers Clough; Bamford Moor; Callow Bank, above Hathersage; Roych Clough, Chapel-en-le-Frith.

G2. Rills on Tansley Moor, *B. & N., J.B.* Offerton Moor, *Gibbs.* Swampy woodland, near Hathersage Booths and above Padley Wood; under Harland Edge, Beeley; Umberley Brook, Chatsworth; Dethick Common.

C. Damp ground, above Seymour, near Chesterfield.

T1. Hulland Moss, sparingly, in the upper part.

T3. Repton Rocks; a specimen of Bloxam's named *natans* is clearly this species, *Purchas, J.B.*

P. alpinus *Balb.* *P. rufescens* Schrad.

Native. B. Ponds, slow streams. Rare. P. July-Aug.

First record, *Purchas, J.B.*, 1887.

G2. Small pond not far from Bar Brook Hall, Chatsworth.

T3. Archer's Pool: found also by Mr. Bloxam in one of the Calke Ponds, *Purchas, J.B.*

P. lucens *L.* Top. Bot. "Howitt cat."

Native. EB. Rivers, canals, pools. Rather rare. P. June-Aug.

First record, *Glover*, 1829.

C. Canal near New Stanton.

T2. Breadsall, *Whittaker, Phyt.*

T3. Canal near Willington, *Gibbs.* By Anchor Church, *Hb. Mason!* Near Calke Abbey. The specimen too imperfect to allow of certainty, *Purchas, J.B.*

P. prælongus *Wulf.*

Native. SI. Canals, pools. Rare. P. July-Aug.

First record, *N.H. Tutb.*, 1863.

T2. Canal between Osmaston and Chellaston, and between Chaddesden and Spondon.

T3. Canal near Willington, *Nowers!* Canal near Burton, *N.H. Tutb.*

P. perfoliatus *L.*

Native. B. Streams, canals, ditches. Frequent. P. July-Aug.

First record, *Glover*, 1829.

G2. Canal at Whatstandwell, *B. & N., J.B.*

C. Near Marple's Bridge, Renishaw, *Waterfall.* Canal near Kirk Hallam, Killamarsh, and near Shipley Gate; New Stanton.

T1. Findern, *Bindley.* Brailsford Brook; Marston-on-Dove; brook near Barton Fields; in the Dove, Sudbury.

T2. Canal at Spondon and Borrowash, *Painter*, *C.D. & Nat*[t]. Breadsall, *Crewe & Whittaker*. Thrumpton Ferry; Sandiacre; Sawley.

T3. Burton-on-Trent; Canal at Willington, *Painter*, *J.B. & Nat*[t]. Repton, *Wild Fl. Rept.* Brook above Egginton.

P. crispus *L.*

Native. BE. Streams, canals, ponds, ditches. Common. P. July-Aug.

First record, *Glover*, 1829.

Generally distributed; in all the districts.

Var. *serratus* (Huds.).

T2. Canals between Derby and Borrowash.

T3. R. Trent by Drakelow.

P. crispus × perfoliatus. *P. Cooperi* Fryer. *B.E.C. Rep.* for 1900, 1901.

T2. Canal near Chaddesden.

P. crispus × Friesii. *P. Lintoni* Fryer.

C. Canal near the Hague, Renishaw, 1899. This interesting hybrid was detected by Mr. Alfred Fryer, of Chatteris, on specimens of Mr. Waterfall's submitted to him (*Watson's B.E.C. Rep.*, 1900).

P. densus *L.*

Native. E. Shallow ponds, streams, and ditches. Rare. P. July-Aug.

First record, *Glover*, 1829.

G2. Cromford; canal at Whatstandwell, *Milnes*, *C.D.*

P. Near Nether Langwith; pools east side of Scarcliffe Park Wood.

T1. Osmaston Lake, near Ashbourne, *Smith MSS.*

T3. Near Calke Abbey, *Purchas*, *J.B.* Old Trent, Repton, *Wild Fl. Rept.*

P. zosteræfolius *Schum.*

Native. E. Canals, slow streams. Not uncommon. P. July-Aug.

First record, *Watson's N.B.G.*, 1835.

L. Matlock, *Miss Armitage.*

G2. Canal and reservoirs, Cromford, *Bailey*, *C.D.*

C. Canal near Shipley Gate.

T1. Findern, *Bindley.*

T2. Canal, Borrowash, *Smith MSS.* Spondon, *Painter*, *Nat*[t]. Thrumpton Ferry; canal, Long Eaton, and Sandiacre.

T3. Swarkeston; Melbourne Pool, *Purchas*, *J.B.* R. Trent, near Burton, *Hb. Mason!* Calke, *Bloxam.* Drakelow, *Painter*, *J.B.* Willington Canal, *Rept. F. & F.*

P. obtusifolius *Mert. & Koch.* *P. gramineus* Sm.

Native. EB. Canals, old ponds. Very rare. P. July-Aug.

First record, *The Flora.*

C. Sparingly in the canal, near Killamarsh, 1897.

P. Small pond above the Great Pond, Hardwick.

P. Friesii *Rupr.* *P. mucronatus* Schrad. *P. compressus* Sm.

Native. B. Canals, slow streams. Rather rare. P. June-July.

First record, *Glover*, 1829.

C. Canal near Kirk Hallam, and near Shipley Gate; Renishaw Canal.

T2. Plentiful in the canal below Osmaston, and near Chaddesden and Spondon.

T3. Canal near Egginton.

P. pusillus *L.*

Native. B. Ponds, canals, ditches. Frequent. P. June-Aug.

First record, *N.H. Tutb.*, 1863.

L. Lathkil Dale, above Alport; pools below Great Shacklow Wood, near Ashford.

G1. Mill pool by Black Brook, Chinley.

C. Pond at the Hague, Renishaw, *Waterfall.* Canal near Shipley Gate; Loscoe; Killamarsh; Kirk Hallam; New Stanton; Hardwick; Pebley Pond, Barlborough.

T1. Osmaston Lake, *Smith MSS.!* Pond at Old Yeldersley; Marston-on-Dove.

T2. Canal at Chaddesden and Spondon; in R. Erewash, Sandiacre, the var. *elongatus*, f. Ar. Bennett.

T3. Pool between Foremark Park and Repton Waste, *Purchas, J.B.* Walton, *Nowers.* Brook near Bull's, Repton, *Rept. F. & F.* Drakelow.

P. pectinatus *L.*

Native. B. Rivers, canals, pools. Not uncommon. P. July-Aug.

First record, *Glover*, 1829.

G2. Canal at Whatstandwell, *B. & N., J.B.* R. Derwent, above Allestree.

C. R. Rother, near Renishaw, *Waterfall.* Canal near Chesterfield; Kirk Hallam; Shipley Gate; Beighton; Killamarsh; Hardwick; New Stanton.

T1. In the Dove near Tutbury, and Marston; Osmaston Ponds, near Ashbourne.

T2. Breadsall, *Whittaker, Phyt.* Canal, Borrowash, *Painter, Nat.* Thrumpton Ferry; Trent Lock; Sandiacre.

T3. Melbourne Pool, *Purchas, J.B.* Canal near Willington, *Gibbs.* Calke, *Bloxam.* Drakelow, *Painter, J.B.* Repton, *Rept. F. & F.*

P. interruptus *Kit.* *P. flabellatus* Bab.

Native. B. Canals, streams. Rare. P. July-Aug.

First record, *N.H. Tutb.*, 1863.

C. Canal near Killamarsh.

T2. Breadsall, *Crewe & Whittaker?*

T3. R. Trent at Burton, *N.H. Tutb.* Willington; Drakelow, *Hb. Mason!* In the Trent by Walton Bridge, *K. Trimmer in Norf. Flora.*

ZANNICHELLIA *L.*

Z. palustris *L.*

Native. B. Pools, ditches, streams. Rather rare. P. May-Aug.

First record, *Top. Bot.*, 1874.

L. Miller's Dale; R. Wye at Ashford, *Bailey, B.L. Rec.*, 1876, 35; & *C.D.* Chee Dale, *C.D.*

G1. Water at Plumpton, Chapel-en-le-Frith.

G2. Large pond, Chatsworth Park.

P. Water at Markland Grips; pond in Langwith wood; Harlesthorpe, Clowne; pool at Cresswell Crags, approaching *Z. pedunculata* Reichb.

T1. Foston; road-side at Little Derby, approaching *Z. pedunculata* Reichb.

T3. Pond in Gills' Park, Ticknall, *Purchas, J.B.* Egginton, *Harris, C.D.* Repton, *Rept. F. & F.*

CYPERACEÆ.

ELEOCHARIS *R.Br.*

E. acicularis *R.Br.* *Scirpus acicularis* L.

Native. EB. Marshy meadows, borders of pools and canals. Very rare. P. July-Aug.

First records, *Smith MSS.*, 1877; *C.D.*, 1889.

C. Pond to the north of Hardwick Great Pond.

T2. Ockbrook, *Smith MSS.*, July 13, 1877.

T3. Old Trent, Repton, *Hagger, C.D.!*

E. palustris *R.Br.* *Common Club-rush.*

Native. B. Marshes, damp meadows, canal-sides, by pools. Locally abundant. P. June-July.

First record, *Pilkington*, 1789. *Scirpus palustris.*

L. Lathkil Dale, *Smith MSS.* Dovedale, *Nowers.* Miller's Dale.

G1. Ponds up to 400 yards [Buxton], *Baker, J.B.* About the Reservoir, Chapel-en-le-Frith, *Barker.* Above Rowarth; north of Hope.

G2. Lumsdale Reservoirs, abundant, *B. & N., J.B.* By large pond, Calver; mill pool above Woolley, Ashover Hay.

C. Renishaw Canal; pool east of Killamarsh; pond at Parkhall, near Barlborough; Pebley Pond; Ault Hucknall; Hardwick; New Stanton; Great Pond, Wingerworth; Stainsby Pond; Sutton Scarsdale. Pinxton, *Pilkington.*

P. Harlesthorpe, Clowne; Whaley Mill.

T1. Osmaston-by-Ashbourne, *Smith MSS.* About Derby, *C.D.* Burnaston, *Bindley.* By the railway between Sudbury and Scropton; marshes below Findern. Betwixt Derby and Kedleston, *Pilkington.*

T2. Breadsall, *Crewe & Whittaker*. Canal-side, Sandiacre; west of Sawley, and Sawley Junction.

T3. Calke, *Purchas, J.B.* Burton, *Hb. Mason*. Canal-side near Egginton, *Gibbs*. Repton, *Wild Fl. Rept.*

E. multicaulis *Sm.*

Native. B. Marshy places, by pools. Very rare. P. July-Aug.

First records, *Smith MSS.*, 1871-1881; *Rept. F. & F.*, 1881.

G1. Bogs, Ringinglow (*West Yorks. Fl.*), on the boundary, probably on the Derbyshire side.

T2. Below Gardman's, and near old P.M. Chapel, Ockbrook, *Smith MSS.*

T3. By Old Trent, Repton, *Rept. F. & F.*

SCIRPUS *L.*

S. pauciflorus *Lightf.*

Native. B. Boggy places, marshes, by mountain streams. Very rare. P. July-Aug.

First record, *The Flora*.

G2. By Umberley Brook, near Chatsworth, about 300 yards.

T3. Repton Rocks, *Gibbs!*

S. cæspitosus *L.*

Native. BS. Moorland, heaths. Locally common. P. May-June.

First record, *Glover*, 1829.

Common on all the moorland areas, rare in the rest of the County. "Axe Edge, over 550 yards," *Baker, J.B.*

T1. Near a sheet of water in Allestree Park, *Glover*.

[S. fluitans *L.*

Glover, 1829.]

S. setaceus *L.* *Isolepis setacea* R.Br.

Native. B. Wet sandy places, marshes, wet road-sides. Frequent. P.? July.

First record, *Glover*, 1829.

L. Wye Valley, up to 250 yards, *Baker, J.B.* Damp road-sides, Matlock, *B. & N., J.B.* Buxton, *Rogers*. Dovedale, *Purchas, J.B.*

G1. Chapel-en-le-Frith, *Rogers*. Charlesworth, *Whitehead, C.D.* Swamps about Burbage Edge, 400 yards, *C.D.* Stirrup, *Fl. Ashton*. Derwent Dale; Edale; Wood-seats, Castleton; Hood Brook, Hathersage.

G2. By the Cromford Canal, *Rogers*. Abney Clough; Otterdale, near Shatton; Froggatt; east of Bradwell; near Hathersage.

C. Barlow Brook, in Cobnar Wood; Wingerworth; Brackenfield Green; New Stanton.

P. Harlesthorpe, near Clowne.

T1. Hulland Moss, *Scott-Elliot.* By Shirley Wood; Cubley; Boylestone Old Hall; marshes below Findern.

T2. Ockbrook, *Smith MSS.* Sandiacre.

T3. Damp spots by the Melbourne Road, *Purchas, J.B.* Drakelow; Bretby, *Hb. Mason!* Calke, *Bloxam.* Junction of Old Trent and R. Trent, *Rept. F. & F.*

S. lacustris *L.* *Bullrush.*

Native. B. Pools, canals, rivers. Frequent on the Trias, less so elsewhere. P. June-Aug.

First record, *Glover*, 1829.

C. R. Erewash at Stanton-by-Dale, *Crewe & Whittaker.* Pebley Pond.

P. Harlesthorpe, near Clowne; Whaley Mill.

T1. Common about Derby, *Glover.*

T2. Long Eaton.

T3. Melbourne Pool, and in the Trent, *Purchas, J.B.* Calke, *Bloxam.* Swarkeston Bridge; near Burton-on-Trent, *Painter, J.B.* Old Trent, *Wild Fl. Rept.* Drakelow.

S. Tabernæmontani *Gmel.*

Native. EB. Pools. Very rare. P. July-Aug.

First record, *The Flora.*

T1. By lowest of three ponds, near Hall, Meynell Langley.

T2. Pools near Trent Station, *Carr*, 1899.

S. silvaticus *L.* *Wood Club Rush.*

Native. BE. Damp woods, margins of pools, brook banks. Local. P. June-July.

First record, *Glover*, 1829.

L. Monsal Dale, near the Station and by the river, *Smith MSS.* By R. Dove above Hartington; Bradbourn Mill, *Purchas, and J.B.* By brook west of Wensley, on shale.

G2. Black Rocks, Cromford, *Crewe & Whittaker.* Brook below Bubnell Cliff, and under Birchill Bank, Baslow.

C. Quarry Dam, Parkhall Woods, *Waterfall.* Walton Wood, *Linton.*

T1. By the Bridge, between Osmaston and Edlaston, *Smith MSS.* Marston-on-Dove.

T3. By Springwood Brook, and by the Upper Pond in Calke Park, *Purchas, J.B.* Bretby Park, *Gibbs.* Drakelow, *Hb. Mason!* Repton, *Wild Fl. Rept.*

S. Caricis *Retz.* *Blysmus compressus* Panz.

Native. E. Wet turf in limestone dales. Local and rare. P. July.

First found, *Salt*, 1801; record, *Watson's N.B.G.*, 1835.

L. Below Chee Tor, 250 yards, *Baker, J.B.* Miller's Dale; Dovedale, *Painter, J.B.* Field by the Buxton Road at the end of Monsal Dale towards Bakewell, *Watson's N.B.G.* Yoxall Lodge, near Buxton, *Garner.* Just below the Bridge at Bakewell, *Hb. Salt.*

ERIOPHORUM *L.*

E. vaginatum *L.*

Native. BE. Moorland bogs. Abundant locally. P. March-April.

First records, *Gisborne*, 1794; noted by *Salt*, 1799; *Jewitt*, 1811.

L. Dovedale, *Glover*. Not there now.

G1. Over 550 yards on Axe Edge, *Baker*, *J.B.* Hills behind Mam Tor from Castleton, *Watson's N.B.G.* Colborne Moor, near Chapel; Charlesworth; Kinderscout, *Fl. Ashton*. Derwent Edge, *Painter*, *Nat*[t]. Bamford; Stanage.

G2. East Moor, *Glover*. Abundant on the moors west of Dore, *The Naturalist*. Dethick Moor, *Gibbs*. White Edge Moor, Grindleford; Darley Moor.

P. Near Pleasley, *Watson's N.B.G.*

T1. Ockbrook, *Smith MSS.*

E. angustifolium *Roth.* *Cotton Grass.* *E. polystachyon* L.

Native. B. Marshes, bogs. Locally abundant. P. April-June.

First record, *Pilkington*, 1789.

G1. Axe Edge, up to over 550 yards, *Baker*, *J.B.* Near the bottom of old lane which runs from Nithing End, *Jewitt*. Combes Moss, *Painter*, *J.B.* Charlesworth; Kinderscout, *Fl. Ashton*. Stanage Edge, var. *elatius* Koch.

G2. Tansley Moor, *B. & N.*, *J.B.* Between Fox House Inn and Dore, *The Naturalist*. Grindleford Bridge, *Hb. Mason!* Near Higgar Tor, above Hathersage.

C. Near the Peacock Inn.

T1. Bog below Bradley Wood; Hulland Moss. Quarndon Common, *Pilkington*.

T2. Breadsall, *Whittaker*, *Phyt.*

T3. Bog at Foremark Hall, *Purchas*, *J.B.* Repton Rocks, *Wild Fl. Rept.*

E. latifolium *Hoppe.*

Native. BE. Boggy places on heaths and in woods. Very rare. P. June-July.

First record, *Crewe & Whittaker*, 1824.

C. Morley Moor, not common, *Crewe & Whittaker*.

P. Scarcliffe Park Wood, in good quantity.

SCHŒNUS *L.*

S. nigricans *L.* *Bog Rush.*

Native. B. Moorland bogs, wet peaty turf. Very rare. P. June-July.

First record, *Glover*, 1829.

"Derby," *Wats. Top. Bot.*, "*Howitt cat.*"

CAREX *L.*

C. dioica *L.* Top. Bot. "Howitt cat."

Native. SB. Moorland, mosses. Rare. P. June-July.

First record, *Glover*, 1829.

G1. Above Grindsbrook, Edale.

G2. Umberley Brook, near Chatsworth.

T1. Hulland Moss.

C. pulicaris *L.* *Flea Sedge.*

Native. B. Heaths, moors. Frequent. P. June-July.

First record, *Glover*, 1829.

L. Monk's Dale, *West, J.B.* Road-sides, Buxton; Topley Pike; Cressbrook Dale, *C.D.* Diamond Hill, *Rogers.* Dale Head, near Wheston; Conies Dale, Peak Forest; Harborough Rock.

G1. Swamps up to 500 yards, *Baker, J.B.* Stirrup Wood, Charlesworth, *Painter, J.B.* Charlesworth Coombs; Kinderscout, *Fl. Ashton.* R. Sett, south of Hayfield; Bamford; Derwent Moor; Stanage.

G2. Burbage Brook; Bechagg Wood, Froggatt; Umberley Brook, near Chatsworth; Redcar Brook, above Dore.

C. Totley Moss.

P. Scarcliffe Park Wood, east side.

T1. Peathays, Shirley.

T3. Bog at Foremark Park, *Purchas, J.B.* Archer's Pool, *Bloxam.*

C. disticha *Huds.* *C. intermedia* Good.

Native. EB. Marshes, by streams and pools. Local. P. May-June.

First record, *Watson's N.B.G.*, 1835.

L. Lathkil Dale, *Painter, J.B.*

T1. Between Osmaston Church and Osmaston Grange, near Ashbourne, *Smith MSS.* Mickleover, *Painter, Nat^t.* Ponds between Shirley and Osmaston; Ash Cover, Yeldersley; Cubley Brook.

T2. Morley, *Crewe & Whittaker.* Ockbrook, *Smith MSS.* Canal-side below Osmaston.

T3. Near the Upper Pond at Calke, *Purchas, J.B.* Drakelow, *N.H. Tutb.* Repton, *Wild Fl. Rept.*

C. teretiuscula *Good.*

Native. B. Damp meadows, boggy places. Very rare. P. June.

First records, *Smith MSS.*, 1854-70; *C.D.*, 1889.

T1. Between Shirley Wood and Rodsley, *Smith MSS.*

[**C. paradoxa** *Willd.*

Marshy meadows near Shirley Mill, *Smith MSS.* A form of the variable *C. paniculata* probably mistaken for it.]

C. paniculata *L.* *Panicled Sedge.*

Native. B. Marshes, margin of ponds and streams. Frequent. P. May-June.

First record, *Pilkington*, 1789.

L. Bradbourn Mill, *Purchas.*

G1. Charlesworth Coombs, *Fl. Ashton.* Near the Snake Inn.

G2. Ashover, *Bailey, C.D.* Bar Brook, and under Birchill Bank, near Baslow; ponds, Chatsworth.

C. Banks of Renishaw Canal, *Waterfall.* Canal near Mastin Moor.

T1. Kedleston, *Painter, J.B.* Shirley Brook; Drabble Car, Bradley Marston Montgomery.

T3. Archer's Pool, and in wet copse at Milton, *Purchas, J.B.* Foremark Bottoms, *Gibbs.* Near Drakelow, *Hb. Mason!* Repton Rocks, *Painter, J.B.*

C. vulpina *L.*

Native. B. Sides of streams, ditches, and canals. Common. P. June-July.

First record, *Pilkington*, 1789.

Generally distributed at low levels; not noted for L, G1, or G2.

Var. *nemorosa* Rebent.

C. In some quantity in an old dried-up pool between Alfreton and Shirland (see *B.E.C., Rep.*, 1901).

C. muricata *L.*

Native. BE. Ditches, fields, sides of streams and canals. Frequent. P. June-July.

First record, *Smith MSS.*, 1854-70.

L. Ridge between Bonsall and Matlock Bridge, 300 yards, *B. & N., J.B.* Via Gellia, *Gibbs.* Monsal Dale; Lathkil Dale; Haddon, *Painter, J.B. & Nat*^{t}. Between Hartington and Beresford Dale, *Purchas, J.B.*

G1. Castle Rocks, Allport Dale.

G2. Canal Bank, Whatstandwell, *Bailey, B.L. Rec.*, 1884-6, 135. Wirksworth, *Gibbs.* Under Birchill Bank, Baslow.

C. Kirk Hallam; Ault Hucknall; Denby Common; Tibshelf; Sutton Scarsdale.

P. Bolsover.

T1. Between Tinker's Inn and Clifton, *Smith MSS.* Mickleover, *Painter, Nat*^{t}. By Yeldersley Rough; Shirley; Cubley; Marston Montgomery; Longford; Boylestone.

T2. Ockbrook, *Smith MSS.* Near Trentlock.

T3. Calke, *Purchas, J.B.* Willington, *Gibbs.* Stanton-by-Bridge, *Painter, J.B.* Repton, *Wild Fl. Rept.* Egginton Common.

Var. *virens.* Koch. Var. *pseudodivulsa* Syme.

L. Lathkil Dale, *Painter, J.B.*

C. divulsa *Good.*

Native. EG. Banks, woods, way-sides. Very rare. P. June-July.

First record, *Watson's N.B.G.*, 1837.

L. Dovedale, *Purchas, J.B.*

T1. Laneside, Rodsley towards Shirley.

T3. Calke Park, *Bloxam.* Mr. Purchas inclines to think that Bloxam's specimen is rather the *pseudodivulsa* Syme, *J.B.*, 1887, 143.

C. echinata *Murr. Prickly Sedge. C. stellulata* Good.

Native. B. Marshy places, meadows, damp woods. Frequent. P. May-July.

First record, *Glover*, 1829.

G1. Swamps up to 500 yards [Axe Edge], *Baker, J.B.* Charlesworth Coombs; Kinderscout, *Fl. Ashton.* R. Sett, south of Hayfield; near Lose Hill, and about the Snake Inn; above Bamford; Hood Brook, Hathersage.

G2. Tansley Moor, *B. & N., J.B.* Otterdale, near Shatton; Burbage Brook; Froggatt; Umberley Brook, near Chatsworth.

C. Breadsall Moor, *Painter, J.B.* East side of Ley's Fen, Old Brampton; Brackenfield Green.

T1. Between Shirley Wood and Bodsley, *Smith MSS.!* By Brailsford Brook, near Ednaston.

T2. Morley, *Crewe & Whittaker.*

T3. Calke, *Bloxam.* Burton, *Hb. Mason!* Willington, *Gibbs.* Bog at Repton Rocks, *Wild Fl. Rept.*

C. remota *L.*

Native. BE. Banks of ditches, damp road-sides, canal banks. Locally abundant. P. May-July.

First record, *Pilkington*, 1789.

L. Via Gellia, *B. & N., J.B.*

G1. Charlesworth, *Whitehead, C.D.* Mellor, *Wild, C.D.* Near Westend Farm, *Gibbs.* R. Sett, south of Hayfield; Hague Bar, New Mills; Edale; Allport Dale; Hood Brook, Hathersage.

G2. Canal between Whatstandwell and Ambergate, *Bailey, C.D.* Near Hathersage; Froggatt; Umberley Brook, near Chatsworth; Idridgehay.

C. Renishaw Canal, *Waterfall.* Breadsall Moor, *Painter, J.B.* West Hallam; woods north east of Coal Aston; Birleyhay, Ford; Sheepbridge; pond, Parkhall, near Barlborough; Ault Hucknall; east of Totley; Newton Wood.

P. Bolsover; Harlesthorpe, near Clowne.

T1. Mickleover; Radbourn, *Painter, Nat.* Shirley; Cubley Common; Marston-on-Dove; Foston; Lower Thurvaston.

T2. Ockbrook, *Hassé, C.D.*

T3. Lower end of first pond in Calke Park, *Purchas, J.B.* Foremark Bottoms, *Gibbs.* Egginton, *Painter, J.B.* Repton, *Wild Fl. Rept.* Drakelow.

C. axillaris *Good.* *C. muricata* × *remota.* Top. Bot. "Bloxam ms."

Native. E. By ditches, ponds, canals. Very rare. P. May-July.

First record, *Watson's N.B.G.*, 1835.

C. By the canal, between one and two miles north of Chesterfield.

T3. By the side of the ponds, Calke Abbey, *Bloxam.* There is no specimen in Bloxam's collection, nor could Mr. Purchas succeed in finding the plant in the locality, *J.B.*, 1887, 143. Repton, *Wild Fl. Rept.*

C. curta *Good.* *C. canescens* L.

Native. Bogs, moors, wet turf. Locally abundant. P. May-July.

First record, *Pilkington*, 1789.

L. Chee Tor, *Pilkington.*

G1. Swamps up to 500 yards, *Baker, J.B.* Goyt's Moss; near the Snake Inn; above Bamford.

G2. Redcar Brook, above Dore.

C. Stream by Greave's Piece, near the Peacock Inn.

T1. Marsh in Yeldersley Lane, near Shirley.

T3. Near Bull's Farm, Repton, *Rept. F. & F.*

C. ovalis *Good.* *C. leporina* L.

Native. B. Moist waysides, heaths, pastures. Common. P. May-July.

First record, *Glover*, 1829.

Generally distributed. "Ascends up to 550 yards [Axe Edge]," *Baker, J.B.*

C. acuta *L.*

Native. BE. Stream-sides, by ponds, rivers, canals. Rather rare. P. May-June.

First record, *Smith MSS.*, 1854-70.

L. Meadows near Ashford, *Bailey, B.L. Rec.*, 1884-6, 110.

T1. Between Shirley Wood and Rodsley, *Smith MSS.* Near R. Dove, Clifton.

T3. Near Swarkeston, *Bloxam.* Named *stricta*, is, I think, *acuta*, *Purchas, J.B.* Near the Boatstake, Burton, *Hb. Mason!* Stapenhill, *Painter, J.B.* Trent side, Repton, *Wild Fl. Rept.*

C. Goodenowii *J. Gay.* *C. vulgaris* Fr.

Native. B. Marshes, wet turf, moorland, way-sides. Frequent. P. May-June.

First record, *Glover*, 1829. *C. cæspitosa.*

Generally distributed, and more or less plentiful on the moors.

"Swamps up to 500 yards" [Axe Edge], *Baker, J.B.* A large robust form occurs at Pebley Pond, Barlborough.

Var. *juncella* Fr.

G1. Near the Snake Inn; abundant on Bamford Moor.

G2. White Edge Moss, Grindleford; Bentley Brook, Matlock.

C. Totley Moss.

T1. Shirley Wood; Cupiss Lane, Brailsford, *B.E.C. Rep.*, 1889, 273.

C. flacca *Schreb.* *C. glauca* Murr.

Native. B. Damp pastures, meadows, moor-sides, waysides. Common. P. May-June.

First record, *Glover*, 1829. *C. recurva.*

The commonest of our sedges, everywhere abundant. "Swamps up to 550 yards on Axe Edge," *Baker, J.B.* "Frequent at all levels up to 350 yards" [Matlock], *B. & N., J.B.*

Var. *stictocarpa* Ar. Benn.

L. Slopes of High Field [Fell], 350 yards, *West, J.B.* Monsal Dale, near Litton Mill, at 900 feet alt. on limestone; a form near *stictocarpa*, but with larger spikelets. The fruit is asperous-hairy, with minute prickle-like papillæ, and dotted (punctate) where these papillæ have got rubbed off, *B.L., Rec.*, 1879.

C. digitata *L.*

Native. EL. Limestone dates. Very rare and local. P. May-June.

First record, *Glover*, 1829. Top. Bot. "Rogers rec."

L. Monsal Dale, *Whitehead!* A specimen of this is in Sowerby's hb. in the British Museum. See also *B.L. Rec.*, 1877, 248.

C. ornithopoda *Willd.*

Native. *I.* Limestone dales. Locally abundant. P. May-June.

First found, *Salt*, May 7th, 1801 (*C. digitata*); first record, *Babington, J.B.*, 1874. See also *J.B.*, 1875, 193 sqq.

L. Miller's Dale, *Whitehead Newton & Hibbert, J.B.* Slopes of High Fell [Field], 350 yards, *West, J.B.* Cressbrook Dale, *T. Rogers, B.L. Rec.*, 1876, 183. Above the summit of the railway tunnel opposite to Litton Mill which was burnt down, *Smith MSS.*

C. montana *L.*

Native. E. On Magnesian Limestone cliffs. Very rare and local. P. April-May.

First found, *Waterfall*, 1885; record, *B.E.C., Rep.*, 1890, 273.

P. Markland Grips, near Clowne, *Waterfall, C.D.!* Specimens were submitted to Mr. A. Bennett and so named by him.

C. pilulifera *L.*

Native. B. Heathland, moor slopes, woods. Not uncommon. P. May-June.

First record, *N.H. Tutb.*, 1863.

L. Middleton Dale. *Carr, B.L. Rec.*, 1881-2, 233. Monk's Dale, *Painter, J.B.* Cressbrook Dale.

G1. Charlesworth Coombs, *Fl. Ashton.* R. Sett, south of Hayfield; Combes Moss; Jaggers Clough.

G2. Darley Dale, *Nowers.*

T1. Shirley Wood.

T3. In one spot at Calke, *Purchas, J.B.* Burton-on-Trent, *Painter, J.B.* Repton Shrubs, *Wild Fl. Rept.*

C. verna *Chaix. Vernal Sedge.* *C. præcox* Jacq.

Native. B. Pastures, heaths, banks, way-sides. Common. P. April-May.

First record, *Glover*, 1829.

Generally distributed. "Near Buxton, 350 yards," *Rogers, J.B.* "Wormhill, 350 yards," *West, J.B.*

C. pallescens *L.*

Native. B. Woods, copses, pastures. Rather rare and local. P. June.

First found, *Salt*, 1798; first record, *Glover*, 1829.

G1. Stirrup, *Fl. Ashton.* Near Westend Farm, *Gibbs.* R. Sett, south of Hayfield; Edale; Derwent Dale.

C. Between Heeley and Norton Lees, *Hb. Salt.* Tibshelf to Hucknall.

P. Langwith Wood.

T1. Meadows [Osmaston-by-Ashbourne neighbourhood], *Smith MSS.* Mickleover; Turnditch, *Painter, Natt. & J.B.* Shirley; Dog Lanes, Atlow.

T3. Calke, *Purchas, J.B.* Repton Rocks, *Wild Fl. Rept.*

C. panicea *L.*

Native. B. Marshes, heaths, way-sides. Common. P. May-June.

First record, *Pilkington*, 1789.

General and abundant. "Swamps up to 500 yards," *Baker, J.B.*

C. pendula *Huds.*

Native. BE. Woods, thickets. Rare. P. June-July.

First record, *Glover*, 1829.

L. Miller's Dale, *Painter, J.B.* In plenty by the river-side just beyond the Colour Works at Matlock Bath, *Carr.*

G1. Whitebottom Wood; Mellor, *Hb. Whitehead*, 1863! Ludworth, *Painter, J.B.* About Marple, *Buxton, B.G.*

G2. Ambergate, *Gibbs.*

T3. Repton Shrubs, *Rept. F. & F.*

C. strigosa *Huds.* Top. Bot. "Bloxam sp."

Native. E. Shady banks, woods. Very rare. P. June-July.

First record, *Phyt. N.S.*, 1858, 1612.

L. Banks of the Derwent, near the Lover's Walk, *Phyt.*

G1. About Marple, *Buxton's B.G.*

C. Newton Wood, scarce.

T2. Ockbrook, *Hassé C.D.*

[At the bottom of Springwood, Calke Abbey, *Bloxam* (in *N.B.G.* 1835), "is just over the boundary," *Purchas, J.B.* Seal Wood, *Hb. Mason!*]

C. silvatica *Huds. Wood Sedge.*

Native. BE. Woods, moist hedge-banks. Frequent. P. May-June.

First record, ***Pilkington***, 1789.

L. Below Chee Tor, 250 yards, *Baker*, *J.B.* Via Gellia, *B. & N.*, *J.B.* Cressbrook Dale, ***Painter, J.B.*** Dovedale, scarce, *Purchas*, *J.B.* Great Shacklow Wood; road-side near Dog & Partridge Inn, Thorpe.

G1. Stirrup, ***Fl. Ashton.*** Charlesworth, *Whitehead*, *C.D.* Derwent Dale; Ollerbrook, Edale; Hague Bar, near New Mills.

G2. Abney Clough.

C. Kirk Hallam; Dale, *Hassé*, *C.D.* Hardwick Wood; Walton Wood; Monk's Wood, near Sheepbridge; Linacre Wood, Old Brampton; Ault Hucknall; Newton Wood.

P. Langwith Wood; Whitwell Wood; Scarcliffe Park Wood.

T1. Osmaston Manor Park, and in shady woods about Ashbourne, *Smith MSS.* Radbourn, *Bindley.* Shirley Wood; Bradley to Atlow; Cubley Common; Eaton Woods; near Marston Montgomery.

T2. Morley, *Crewe & Whittaker.*

T3. About Calke, *Purchas*, *J.B.* Burton-on-Trent, ***Painter, J.B.*** Repton Shrubs, *Wild Fl. Rept.* Repton, *Bindley.*

C. lævigata *Sm.*

Native. BE? Swamps, wet moorland, wet woods. Local. P. June-July.

First record, *N.H. Tutb.*, 1863? *Wild Fl. Rept.*, 1866.

G1. Swampy wood, Charlesworth, *Whitehead*, *B.L. Rec.*, 1877, 225. Jaggers Clough, and near Westend Farm, *Gibbs.* Edale and Ollerbrook; Derwent Moor, south side near the Sheffield Road, over 300 yards; near the Snake Inn; Allport Dale; Upper Hurst Brook, Bamford.

G2. Abney Clough; Otterdale, near Shatton; Froggatt; Burbage Brook; near Hathersage Booths; Hay Wood, Grindleford.

C. Bogs near Dore and Owler Bar, *The Naturalist.* Owler Car, *Gibbs.* Near Harwood Grange, Chesterfield, ***Painter, J.B.*** Walton Wood.

T1. Occasionally in wet parts of woods, *Smith MSS.* Below the Old Covert, Mugginton.

T3. Repton Rocks, *Wild Fl. Rept.*

C. binervis *Sm.*

Native. B. Heaths, moors, woods, damp road-sides. Local. P. May-July.

First record, *Watson's N.B.G.*, 1837.

L. One Ash, *Watson's N.B.G.* Castleton, *West*, *J.B.*

G1. Axe Edge, 400-500 yards, *West*, *J.B.* Valley of the Goyt, *Painter*, *J.B.* Charlesworth Coombs; Kinderscout, *Fl. Ashton.* Chinley; Edale; near the Snake Inn; Derwent Dale; Stanage Edge.

G2. Tansley Moor, *B. & N.*, *J.B.* Hathersage, *Hb. Syme.* Under Harland Edge, Beeley.

T1. Shirley Wood, *Smith, MSS.* Cupiss Lane, Brailsford.

T3. On some heathy ground near St. Bride's Farm, ***Purchas, J.B.*** Burton-on-Trent, ***Painter, J.B.*** Repton Rocks, *Wild Fl. Rept.*

C. speirostachya *Sm.* [*C. fulva* Good. Hybrid?] *C. Hornschuchiana* Hoppe.

Native. B. Swamps, boggy ground. Local. P. May-June.

First record, ***B.L. Rec.***, *for* 1875, 1876.

G1. Stirrup Wood, wet pastures, seen as long ago as 1863, *Whitehead, B.L. Rec.*, 1875, 132. Wild Moor, near Goyt's Bridge.

G2. Umberley Brook, near Chatsworth.

C. Stream by Greave's Piece, near Smeekley Wood.

P. Markland Grips, by the stream, *Waterfall.* Swamp in Scarcliffe Park Wood.

T1. Near the old gravel-pit on Mr. Sherwin's Farm, Osmaston-by-Ashbourne, *Smith MSS.* Meadows at Peathays, Shirley; near Old Covert, Mugginton.

C. flava *L.*

Native. B. Marshy places, peaty land, heath. Frequent. P. May-July.

First record, *Pilkington*, 1789.

L. Monk's Dale, *Linton.*

G1. Swamps up to 500 yards, *Baker, J.B.* Charlesworth Coombs; Stirrup Wood, *Fl. Ashton.* Torside Clough, near Crowden; Wild Moor, near Goyt's Bridge; Slackhall; Hood Brook, Hathersage; Upper Hurst Brook, Bamford.

G2. Otterdale, near Shatton; Froggatt; under Birchill Bank, Baslow. Marshes about Duffield, *Pilkington.*

C. Birleyhay, Ford.

P. Scarcliffe Park Wood; pool near The Walls, Whitwell.

T1. Boggy places in meadows [Osmaston-by-Ashbourne neighbourhood], *Smith MSS.* Shirley Wood; by Bradley Brook.

T3. Damp places by the side of the Calke and Melbourne Road; bog at Foremark Park, *Purchas, J.B.* Repton Rocks, *Rept. F. & F.*

Var. *elatior* Schlecht. *C. lepidocarpa* Tausch.

G1. Buxton, *Rogers.* Axe Edge, *Painter, J.B.* R. Sett, south of Hayfield.

C. Morley Moor, *Painter, J.B.*

Var. *Oederi* Retz. Var. *minor* Towns.

G1. Bog, Buxton, *Rogers, B.L. Rec.*, 1884-6, 110. Near Westend Farm, *Gibbs.* R. Sett, south of Hayfield; Combes Moss; near the Snake Inn; above Bamford; Malcoff, Chapel.

G2. Umberley Brook, near Chatsworth.

C. Wessington Common; Brackenfield Green.

T1. Marshes by the railway, below Findern.

Var. *cyperoides* Marss. *C. chrysites* Link. *C. Oederi* Syme, E.B.

G1. Charlesworth Coombs, *Hb. Whitehead !*

P. Scarcliffe Park Wood.

T1. Between Copse Hill and Wyaston, *Smith MSS.*

C. hirta *L. Hammer Sedge. Hairy Sedge.*

Native. BE. Damp places, pastures, meadows, bogs, ditch-sides. Common. P. May-July.

First record, *Glover*, 1829.

General; in all the districts. "Miller's Dale, up to 300 yards, *West, J.B.*

C. Pseudo-cyperus *L.*

Native. E. Pond-sides, ditches. Local and rare. P. May-July.

First record, *Watson's N.B.G.*, 1837.

T1. The Dumble, Hulland, *Smith MSS.* Findern, *Painter, Nat^t.* Marsh at Willington Junction, *Rept. F. & F. !* Abundant there in 1899. Pond between Yeaveley and Cubley, by the footpath.

T3. In a pond on the outside of Calke Park, on the south side, *Watson's N.B.G.*

C. acutiformis *Ehrh. C. paludosa* Good.

Native. B. Pools, river-banks, ditches, marshes. Frequent. P. May-June.

First record, *Glover*, 1829.

L. Banks of R. Bradford at Youlgreave; Bradbourn Mill, *Purchas & J.B.* Haddon; Lathkil Dale, *Painter, J.B. & Nat^t.* R. Wye at Ashford; Brough.

G1. Edale.

G2. Harthill Moor; pond near Barbrook Hall, Chatsworth; under Birchill Bank, Baslow; Scow Brook, near Hognaston.

C. Canal-side north of Chesterfield; Pebley Pond; New Stanton.

P. Scarcliffe Park Wood, east side.

T1. Lower Lake, Osmaston Manor, *Smith MSS.* Hilton, *Hassé, C.D.* Mickleover, *Painter, Nat^t.* Shirley; Radbourn; Marston-on-Dove; Bradley.

T2. Canal-side, near Spondon; Sawley.

T3. Drakelow, *Hb. Mason.* Burton-on-Trent, *Painter, J.B.* Ingleby, *Hassé, C.D.* Repton, *Wild Fl. Rept.* Egginton.

Var. *Kochiana* Gaud.

T1. Peathays, Shirley.

C. riparia *Curtis.*

Native. BE. By rivers, canals, pools. Frequent. P. May-June.

First record, *Pilkington*, 1789.

L. Bakewell, under 200 yards, *West, J.B.* Near Bradbourn Mill, *Purchas, J.B.* Bank of R. Wye, opposite Haddon Castle, *Bailey, B.L. Rec.*, 1876, 193. Brough.

C. Canalside, near Kirk Hallam; near Shipley Gate; canalside, New Stanton.

P. Harlesthorpe, near Clowne; east side of Scarcliffe Park Wood.

T1. Mickleover; Radbourn; Findern, *Painter, Nat*^{t}. Hilton; Clifton.

T2. Breadsall, *Crewe & Whittaker*. Sawley.

T3. Ponds at Calke, *Purchas, J.B.* Ingleby, *Hassé, C.D.* Willington; Burton-on-Trent, *Painter, J.B.* Old Trent, Repton, *Wild Fl. Rept.* Drakelow; brook and canal, Egginton.

C. rostrata *Stokes. Bottle Sedge. C. ampullacea* Good.

Native. B. Marshes, moors, pools, canals. Frequent. P. May-June.

First record, *Bloxam, MS.*, 1833; *Top. Bot.*, 1874.

L. Chee Tor, 250 yards, *Baker, J.B.* Miller's Dale, *West, J.B.* Bakewell; Lathkil Dale; Buxton, *Painter, J.B. & Nat*^{t}. Matlock Bath, *Rogers*. Pools, Via Gellia, *Purchas*.

G1. Wild Moor, near Goyt's Bridge.

G2. Reservoirs in Cromford Valley, *B. & N., J.B.* Strines Wood, Cromford, *Bailey, C.D.* Bar Brook, above Baslow.

C. East side of Ley's Fen, Old Brampton.

T1. Mickleover, *Painter, Nat*^{t}. Bog below Bradley Wood, and by Bradley Brook.

T3. Archer's Pool, *Purchas, J.B.* Swarkeston, *Bloxam*. Burton-on-Trent, *Painter, J.B.* Repton, *Rept. F. & F.*

Var. *latifolia* Aschers.

G2. Farlow Paddocks, between Baslow and Hassop, *Bailey* (*f. Herr Kukenthal*).

C. vesicaria *L. Bladder Sedge.*

Native. BE. Marshes, brooks, pools, damp copses. Rather rare. P. June-July.

First record, *Glover*, 1829.

L. Miller's Dale, 300 yards, *West, J.B.*

G1. Wet place near Stirrup Wood, Charlesworth, *Hb. Whitehead*, 1864! Ludworth, *Whitehead, C.D.*

G2. Ashover, *Bailey, C.D.*

C. Quarry Dam, Parkhall Woods, Renishaw, *Waterfall*. Great Pond, Wingerworth; Stainsby Pond, near Heath; Pebley Pond.

T2. Elvaston, *Hassé, C.D.*

T3. Swarkeston, *Bloxam*. Near Ingleby, *Purchas, J.B.* Canalside, Willington, *Gibbs*. Repton, *Wild Fl. Rept.*

GRAMINEÆ.

SETARIA *Beauv.*

*S. viridis *Beauv.*

Casual.

T1. Mickleover, railway banks, *Painter, Nat*[t].

PHALARIS *L.*

*P. canariensis *L.* *Canary Grass*

Alien. Waste ground. Occasional. A. June-Aug.

First noted, *Crewe & Whittaker*, 1864.

L. Roadsides about Matlock, casual, *B. & N., J.B.*

G1. Burbage, Buxton, *C.D.*

G2. Wirksworth, casual, *Gibbs.*

T1. Mickleover, roadsides, *Painter, Nat*[t].

T2. Railway banks, Breadsall, *Crewe & Whittaker.*

T3. Woodside, Drakelow, *Hb. Mason!* Calke, *Bloxam.* Askew Hill, Repton, *Hagger, C.D.* Near the Trent, Repton, *Wild Fl. Rept.*

P. arundinacea *L.* *Reed Grass. Ribbon Grass. Digraphis arundinacea* Trin.

Native. B. By streams and canals. Common. P. June-July.

First record, *Pilkington*, 1789.

Generally distributed. "Ascends to 300 yards," *Baker, J.B.*

ANTHOXANTHUM *L.*

A. odoratum *L.* *Sweet Vernal Grass.*

Native. B. Meadows, pastures, waysides, woods. Common. P. May-June.

First record, *Pilkington*, 1789.

Everywhere abundant. "Common up to the Peak of Axe Edge, over 550 yards," *Baker, J.B.*

Var. *villosum* (Dum.).

T1. Shirley Park, in shady places.

ALOPECURUS *L.*

A. myosuroides *Huds.* *Field Foxtail Grass. A. agrestis* L.

Native or Colonist. E. Fields, waysides. Frequent. P. June-July.

First record, *Pilkington*, 1789.

T1. Common about Derby, *C.D.* Mickleover, *Bindley.* Hollington, near Longford.

T2. Ockbrook, *Smith MSS.*

T3. About Calke, *Purchas, J.B.* Stapenhill, *Hb. Mason.* Repton, *Wild Fl. Rept.*

A. fulvus *Sm.*

Native. E. Pondsides, watery places. Very rare. P. July.

First record, *B.E.C. Rep.* for 1900, 1901.

C. Ponds, Sutton Scarsdale.

A. geniculatus *L.*

Native. B. Ditches, damp roadsides. Common. A. May-July.

First record, *Pilkington*, 1789.

Generally distributed. "Swamps up to 500 yards," *Baker, J.B.*

A wide spreading state, rooting extensively at the nodes, occurs here and there.

L. Quarry pool, Buxton, *Levinge.* Pondside, Breadsall Old Moor, 450 yards.

A. pratensis *L. Meadow Foxtail Grass.*

Native. B. Meadows, pastures, waysides. Common. P. April-July.

First record, *Pilkington*, 1789.

General and abundant. "Common up to 500 yards," *Baker, J.B.*

MILIUM *L.*

M. effusum *L. Millet Grass.*

Native. BE. Woods, shady banks. Local. P. May-July.

First record, *Glover*, 1829.

L. Great Shacklow Wood, Ashford; Matlock.

G1. Stirrup, *Fl. Ashton.* Higher Cliff, Strines.

G2. Ashover, *Bailey, C.D.* Woods S. of Ashover Hay; Bubnell, Baslow.

C. Woods, Abbey Dale, *Gibbs.* Parkhall Woods, near Renishaw, *Waterfall.* Lady Wood, and other localities near Kirk Hallam; The Moss, Mosbrough; by Limb Brook, near Dore Station; Loscoe; Salter Wood, near Ripley; Brierly Wood, Unstone; Walton Wood; woodland above Yewtree House, Walton; Linacre Wood, Old Brampton.

T1. Copses east of Alkmonton; copse at Stydd.

T2. Ravine of brook to the right on upper way to Dale [from Ockbrook], *Smith MSS.*

T3. Drakelow; Repton Shrubs, *Painter, J.B.* Repton, *Bindley.*

PHLEUM *L.*

P. pratense *L. Timothy Grass. Cat's-tail Grass.*

Native. BE. Meadows, pastures, waysides. Common. P. June-July.

First record, *Pilkington*, 1789.

Generally distributed. "Common up to 450 yards," *Baker, J.B.*

Var. *nodosum* (L.).

L. Ashford Dale; Miller's Dale, *Painter, J.B.* Dovedale, *Smith MSS.*

G1. Mellor, *Wild, C.D.*

T1. Shirley; Ednaston Sprink, Brailsford.

T3. Stapenhill, *Painter, J.B.*

AGROSTIS *L.*

A. canina *L.* *Brown Bent.*

Native. B. Moors, heathland, woods, copses. Local. P. June-Aug.

First record, *Pilkington*, 1789.

L. Diamond Hill, *Rogers.*

G1. Axe Edge, *Rogers.* Swamps near Cat and Fiddle Inn, 500 yards, *Baker, J.B.* Derwent Moor, over 500 yards; Back Tor, Edale; above Bamford; near the Snake Inn, with the var. *mutica* Doell.

G2. Moors near Dore, *Gibbs.* Froggatt; Curbar.

C. Walton Wood; Blake Brook, near Baslow; Hardwick.

T1. Short dry turf [Osmaston-by-Ashbourne neighbourhood], *Smith MSS.* Shirley Wood; Bradley Wood; Aston, Sudbury.

T3. Heathy parts of Calke Park, *Purchas, J.B.* Scaddow Rocks, *Wild Fl. Rept.* Twyford Lane, *Hb. Mason!*

A. palustris *Huds.* *Fiorin.* *Marsh Bent.* *A. alba* L.

Native. B. Meadows, pastures, roadsides, ditches. Common. P. June-Aug.

First record, *Pilkington*, 1789. *A. tenuifolia.*

Generally distributed.

Var. *stolonifera* (L.). *Glover*, 1829.

L. Between Castleton and Hope.

G2. Near the Derwent, east of Allestree Park.

C. By the canal, north of Chesterfield.

T1. Mickleover, *Bindley.* Cubley Common.

Var. *maritima* Mey.

G2. Crich Quarry, *Smith MSS.*

A. vulgaris *With.* *Common Bent.*

Native. B. Fields, roadsides, heaths. Common. P. July.

First record, *Pilkington*, 1789. *A. capillaris.*

"Ascends on Axe Edge, over 500 yards," *Baker, J.B.*

Var. *pumila* (L.).

L. Oxlow Rake.

G1. Over 550 yards on Axe Edge, *Rogers.* Near the Snake Inn; Allport Dale; Ashopton; near Bamford Edge; between Milton and Hilltop, Whaley Bridge.

G2. Near Hathersage; Froggatt.

C. East of Totley.

T1. Between Wyaston and Shirley.

T3. Damp spots between Calke Mill and Melbourne, *Purchas, J.B.*

Var. *nigra* (With). *Glover*, 1829.

L. Matlock, as abundant as typical *vulgaris*, *B. & N., J.B.* Via Gellia, *Rogers.*

G2. Near the Cromford Canal, *Rogers.*

T3. Calke; "one of a series of forms which show the common species of *Agrostis* to be much less sharply and clearly defined in Nature than in books," *Purchas, J.B.*

CALAMAGROSTIS *Adans.*

C. Epigeios *Roth. Arundo epigeios* L.

Native. EB. Woods, shady places. Very rare. P. June-July.

First record, *Glover*, 1829.

P. Scarcliffe Park Wood.

T3. Gresley, *Painter, J.B.*

C. lanceolata *Roth.*

Native. E. Damp shady places, near pools and marshes. Very rare. P. July.

First record, *Glover*, 1829. *Arundo calamagrostis.*

T3. Gresley, *Painter, J.B.*

APERA *Adans.*

***A. Spica-venti** *Beauv.*

Casual. On cultivated land.

T1. Osmaston Park, Ashbourne, *Smith MSS.* Near Kedleston, *Crewe & Whittaker.*

AIRA *L.*

A. caryophyllea *L. Hair-Grass.*

Native. B. Gravelly roadsides and pastures, heathland. Frequent. A. May-June.

First record, *Glover*, 1829.

L. Foot of Chee Tor, 250 yards, *Baker, J.B.* Wormhill, 350 yards, *West, J.B.* Monsal Dale, *Whitehead, C.D.* Dovedale, *Purchas.*

G2. Eyam Moor; Stanton; Fallgate, Ashover.

C. Horsley Car, *Painter, J.B.* Near Holymoorside; quarry in Hardwick Park.

T1. Shirley; near the Knob, Hulland; fields adjoining Yeldersley Lane; gravelly heath by the railway, south of Findern.

T2. Risley Park.

T3. Near Calke, *Purchas, J.B.* Burton-on-Trent, *Painter, J.B.* Gravel pit, Repton Village, *Rept. F. & F.*

A. præcox *L.*

Native. B. Heaths, dry banks, and waysides. Frequent. A. April-May.

First record, *Pilkington*, 1789.

L. Miller's Dale, *Painter, J.B.*

G1. Charlesworth Coombs, *Fl. Ashton.* Woodhead, *Barrow.* Wild Moor, Goyt; New Mills; Hayfield; Grindsbrook, Edale; Bamford.

G2. Eyam Moor; Curbar; near Hathersage.

C. Breadsall Moor, *Crewe & Whittaker.* Wessington Common; near Holymoorside; near Walton and Brampton; quarry in Hardwick Park.

T1. Bradley Wood, *Purchas.* Near Spinnyford Brook, Hulland; gravelly heath near the railway, south of Findern.

T3. Near Calke, *Purchas, J.B.* Bretby Park, *Painter, J.B.* Repton, *Wild Fl. Rept.*

DESCHAMPSIA *Beauv.*

D. cæspitosa *Beauv.* *Aira cæspitosa* L.

Native. B. Damp waysides, commons, woods, margins of pools and streams. Common. P. June-Aug.

First record, *Glover*, 1829.

Generally distributed. "Common up to 500 yards," *Baker, J.B.* A form with shorter leaves occurs on moorland about the Snake Inn and doubtless on other moors.

Var. *pallida* Koch.

T1. Low fields between Copse Hill and Edlaston, *Smith MSS.*

D. flexuosa *Trin.* *Aira flexuosa* L.

Native. B. Moorland, heathy way-sides. Locally plentiful. P. June-Aug.

First record, *Pilkington*, 1789.

L. Miller's Dale, *Rogers.* Dirty Rake, Eyam.

G1. Between Bugsworth and New Mills, *Rogers.* Ascends above 500 yards on Axe Edge, *Baker, J.B.* Chinley; near Glossop; Rushup Edge.

G2. Gritstone heaths, avoids the limestone dales, *B. & N., J.B.* Wirksworth, *Gibbs.* Froggatt; Harthill Moor, Baslow; Crich Common.

C. Birleyhay, Ford; Brierly Wood, Unstone; Hardwick, on old heathland.

T1. Shirley Wood; by the Ash Cover, Bradley Brook; near the Knob, Hulland; Mickleover; Dalebrook, Sudbury.

T3. Calke, *Bloxam.* Seal Brook, *Hb. Mason.* Burton-on-Trent, *Painter, J.B.* Scaddow Rocks, *Wild Fl. Rept.*

HOLCUS *L.*

H. mollis *L.* *Twitch.*

Native. B. Woods, roadsides, banks. Common. P. July-Aug.

First record, *Glover*, 1829.

A troublesome weed. "Common up to 500 yards," *Baker, J.B.*

H. lanatus *L.*

Native. B. Meadows, hedgebanks, waste places. Common. P. June-Aug.

First record, *Glover*, 1829.

Generally distributed. "Common up to 500 yards," *Baker, J.B.*

TRISETUM *Pers.*

T. pratense *Pers.* *Yellow Oat-grass.* *T. flavescens* P.B. *Avena flavescens* L.

Native. B. Meadows, pastures, roadsides. Common. P. June-July.

First record, *Glover*, 1829.

Generally distributed. "Common up to 400 yards," *Baker, J.B.*

AVENA *L.*

A. pubescens *Huds.* *Downy Oat-grass.*

Native. B. Gravelly or limestone pastures, roadsides. Frequent. P. June-July.

First record, *Pilkington*, 1789.

L. Chee Dale, 300 yards, *West, J.B.* Buxton, *Wild, C.D.* Ashford Dale, *Painter, J.B.* Monsal Dale, *Hb. Salt.* Abundant in limestone pastures about Dovedale, *Purchas, J.B.* Longstone Edge.

T1. Introduced with rocks from Ballidon, Osmaston-by-Ashbourne, *Smith MSS.* Mickleover, *Painter, Nat*[t]. Shirley Common; Ednaston; Yeaveley; Cubley Common.

T2. Canalside near Chaddesden.

T3. About Calke, *Purchas, J.B.* Stapenhill, *Hb. Mason!* Burton-on-Trent; Willington, *Painter, J.B.* Repton, *Wild Fl. Rept.*

A. pratensis *L.* *Meadow Oat-grass.*

Native. B. Dry limestone slopes, dry fields. Plentiful locally. P. July.

First found, *Salt*, 1799; record, *Glover*, 1829.

L. Common amongst the limestone cliffs, 200-400 yards, *Baker, J.B.* Diamond Hill, *Rogers.* Monsal Dale, *Whitehead, C.D.* Slopes of High Fell, 350 yards, *West, J.B.* Matlock; Dovedale, *B. & N., J.B.* Castleton; Middleton Dale, *Hb. Salt.* Conies Dale, Peak Forest; Bradwell; Dale Head, near Wheston.

P. Markland Grips; Belph Moor, Whitwell.

T1. In meadows [Osmaston-by-Ashbourne neighbourhood], *Smith MSS.*

T3. Repton, *Rept. F. & F.* Burton-on-Trent, *Painter, J.B.*

Var. *alpina* (Sm.).

L. Buxton, *Phyt.* i, 129.

*A. **strigosa** *Schreb.* Casual.

L. Brassington Rocks, *Nowers.*

A. **atua** *L. Wild Oat.*

Colonist. BE. Arable land, in corn crops. Rare. A. July-August.

First record, *Glover*, 1829.

C. Heanor, *Watson's N.B.G.*

T3. About Calke, *Purchas, J.B.* Brizlincote, *N.H. Tutb.* Repton, *Rept. F. & F.*

ARRHENATHERUM *Beauv.*

A. **avenaceum** *Beauv. False Oat-grass. Avena elatior* L.

Native. B. Hedgebanks, woods, waysides, fields. Common. P. May-July.

First record, *Pilkington*, 1789.

Generally distributed and abundant. The var. *nodosum* Reichb. occurs with the type on dry soil. "Common up to 400 yards," *Baker, J.B.*

SIEGLINGIA *Bernh.*

S. **decumbens** *Bernh. Triodia decumbens* Beauv.

Native. B. Heaths, pastures, waysides. Frequent. P. June-July.

First record, *Phyt. N.S.*, 1858, 539.

L. Foot of Chee Tor, *Baker, J.B.* Diamond Hill; Monsal Dale, *Rogers.* Matlock, *Hb. Mason!* Dovedale, *Phyt.*, 1858. Dale Head, Wheston; Longstone Edge; Hartle Dale, Bradwell.

G1. Ascends to 550 yards on Axe Edge, *Rogers.* Charlesworth, *Whitehead, C.D.* Valley of the Goyt, *Painter, J.B.* Edale; near the Snake Inn; Tarden, near Mellor; Hood Brook, Hathersage.

G2. Tansley Moor, *B. & N., J.B.* Abney; Eyam Moor; Curbar; near Baslow.

C. Once seen near Chesterfield, *Waterfall.* Troway; woods S.E. of Westhorpe; Unthank; Cutthorpe; between Tibshelf and Hucknall; Sutton Scarsdale.

P. Elmton; near the Walls, Whitwell.

T1. Shirley; Yeaveley; Cubley; Mickleover; gravelly heath by railway south of Findern.

T3. Bretby Park; Calke Park, *Purchas, J.B.* Stapenhill, *N.H. Tutb.*

PHRAGMITES *Trin.*

P. **communis** *Trin. Common Reed. Arundo Phragmites* L.

Native. B. Pools, rivers, damp copses. Rather rare; abundant locally. P. Aug.

First record, *Glover*, 1829.

L. Monsal Dale, *C.D.*

G1. Stirrup Wood, *Fl. Ashton.* Charlesworth, *Whitehead, C.D.*

G2. Reservoirs near Matlock, rare, *B. & N.*, *J.B.* Duffield, *Painter*, *J. B.* North of Belper, near the railway.

P. East side of Scarcliffe Park Wood.

T1. Mickleover; Radbourn, *Painter*, *Nat*. Between Longford and Peathays; pond by the railway, between Sudbury and Scropton; near R. Dove, Clifton.

T3. About Calke, *Purchas*, *J.B.* Burton, *Hb. Mason !* R. Trent, Ingleby, *Hassé*, *C.D.* Drakelow, *Painter*, *J.B.* Repton, *Wild Fl. Rept.*

CYNOSURUS *L.*

C. cristatus *L.* *Crested Dog's-tail Grass.*

Native. B. Pastures, meadows, roadsides. Common. P. July-Aug.

First record, *Pilkington*, 1789.

General through the County. "Common up to 500 yards," *Baker*, *J.B.*

KŒLERIA *Pers.*

K. cristata *Pers.*

Native. B. Dry pastures, roadsides, especially on limestone. Locally abundant. P June-July.

First record, *Engl. Bot.*, 1799. *Aira cristata.*

L. Very common in this district. "Miller's Dale, 300 yards," *West*, *J.B.*

G2. Crich, *Garner.*

P. Markland Grips.

T3. In one or two spots, and in small quantity, Calke, *Purchas*, *J.B.*

MOLINIA *Schrank.*

M. varia *Schrank.* *Purple Melic Grass.* *M. cœrulea* Mœnch.

Native. B. Boggy moorland, marshes. Locally abundant. P. July-Aug.

First record, *Glover*, 1829.

L. Newhaven, *Painter*, *J.B.*

G1. Kinderscout, *Fl. Ashton.* Valley of the Goyt, *C.D.* Allport Dale; Glossop; Hood Brook, Hathersage.

G2. Tansley Moor, *B. & N.*, *J.B.* Moors near Owler Bar, *The Naturalist.* Froggatt; by Hay Wood, Grindleford.

C. Newton Wood; Totley Moss.

P. Scarcliffe Park Wood; near The Walls, Whitwell.

T1. Shirley Wood; near Osmaston Church, by an old gravel pit, *Smith MSS.* Kedleston, *Crewe & Whittaker.* Peathays, Shirley.

T3. In a heathy clayey spot near St. Brides; "bog at Foremark Park" (*Bloxam*), *Purchas*, *J.B.* Scaddows, *Wild Fl. Rept.*

CATABROSA *Beauv.*

C. aquatica *Beauv.*

Native. B. Ditches, drains, pondsides. Rare. P. May-July.

First record, *Smith MSS.*, 1854-70.

L. Near the Ebbing and Flowing Well, Buxton, *Purchas.* Roadside, Wardlow Mires, *Linton!*

G2. Canal at Whatstandwell, *B. & N., J.B.* Cromford Canal, *Rogers.*

P. By pool, near the Walls, Whitwell.

T1. Between Brailsford and Derby, by the roadside, *Smith MSS.* Roadside, lower part of Shirley Village.

T3. Swarkeston, *Painter, Nat*[t].

MELICA *L.*

M. nutans *L.*

Native. S. Damp woods in hilly districts, especially on limestone. Rather rare. P. May-June.

First found, *Salt*, 1800; record, *Purton*, 1821.

L. Monk's Dale, 350 yards, *West, J.B.* Miller's Dale; Cressbrook Dale; Dovedale; Cromford and Via Gellia, *Painter, J.B. & Natt.* High Tor, Matlock, *Whittaker, B.L. Rec.*, 1875, 133. Lathkil Dale, *Gibbs.* Monsal Dale, *Hb. Salt.* Ashwood Dale; Chee Dale.

C. Norton, *Hb. Salt.*

M. uniflora *Retz. Melic Grass.*

Native. EB. Hedgebanks, woods, copses. Common. P. May-June.

First record, *Glover*, 1829.

Occurs in every district, though slightly local in its occurrence. "Woods up to 300 yards," *Baker, J.B.*

DACTYLIS *L.*

D. glomerata *L. Cock's-foot Grass.*

Native. B. Fields, waysides, waste places. Common. P. June-July.

First record, *Pilkington*, 1789.

Very common. "Up to 500 yards," *Baker, J.B.* A viviparous state occurs on cliffs in Chee Dale.

BRIZA *L.*

B. media *L. Quaking Grass.*

Native. BE. Pastures, waysides, heaths. Common. P. June-July.

First record, *Pilkington*, 1789.

Generally distributed. "Common up to 500 yards," *Baker, J.B.*

POA *L.*

P. annua *L.*

Native. B. Fields, waste places, waysides. Very common. A. Jan.-Dec.

First record, *Pilkington*, 1789.

"Ascends to Axe Edge, over 550 yards," *Baker, J.B.* A variety approaching *P. supina* Gaud. occurs at 1,800 feet, in Grinds Brook, Edale, on steep slopes.

P. nemoralis *L.*

Native. B. Woods, banks, rocks, wall tops. Local. P. May-July.

First record, *Glover*, 1829.

L. Monk's Dale, 350 yards, *West, J.B.* Ashwood Dale; Haddon, 200-350 yards, *Baker, J.B.* Monsal Dale; Matlock Bridge, *Rogers.* Via Gellia, *B. & N., J.B.* Dovedale, *Smith MSS.* Hartle Dale, Bradwell; Dale Head, near Wheston.

G2. Between Birchover and Wensley.

T1. Mickleover, *Bindley.*

T3. About Calke, *Purchas, J.B.* About Burton-on-Trent, *Harris, C.D.* Repton Rocks, *Wild Fl. Rept.*

Var. *angustifolia* Parnell.

L. Chee Dale, *Painter, Nat*[t].

P. compressa *L.*

Native. BE. Dry fields, walls, banks. Local. P. June-Aug.

First record, *Glover*, 1829.

L. Blackwell Dale; Buxton, *Painter, C.D. & J.B.* Matlock Bridge; Via Gellia, *Rogers.*

G2. Limestone walls at Whatstandwell, *B. & N., J.B.* Hazelwood.

C. Barlborough.

P. Elmton; Markland Grips; Langwith Junction and Upper Langwith; The Walls, Whitwell.

T1. Yeldersley, abundant in fields; walls at Corley, Bradley.

T3. Swarkeston Bridge, *Bloxam.* Old walls, Repton, and on a roof at Calke, *Purchas, J.B.*

P. pratensis *L.*

Native. B. Fields, road-sides, banks, walls. Common. P. June-July.

First record, *Glover*, 1829.

Generally distributed. "Common up to 500 yards," *Baker, J.B.*

Var. *subcærulea* (Sm.). *Glover*, 1829.

L. Common on limestone cliffs and walls, *Baker, J.B.*

T1. Roadside banks, Shirley; Hilton Common; Marston Montgomery.

P. trivialis *L.*

Native. B. Fields, meadows, woods, waysides. Common. P. June-July.

First record, *Glover*, 1829.

"Common up to 450 yards," *Baker, J.B.*

Var. *glabra* Dœll.

T1. On a shady bank by the road between Cubley and Marston Montgomery.

GLYCERIA *R.Br.*

G. fluitans *R.Br.* *Flote Grass.*

Native. B. Brooks, canals, ponds. Common. P. June-Sept.

First record, *Pilkington*, 1789. *Festuca fluitans.*

Generally distributed. "Common up to 500 yards, *Baker*, *J.B.* "Swamps up to 300 yards" [Matlock], *B. & N.*, *J.B.*

G. plicata *Fr.*

Native. EB. Brooks, ponds, canals. Frequent. P. June-Sept.

First record, *Baker*, *J.B.*, 1884.

L. Miller's Dale, *C.D.* Dovedale, *B. & N.*, *J.B.* Cromford, *Bailey.* Near Hartington, *Purchas.*

G1. Common up to 500 yards [Buxton], *Baker*, *J.B.* Chapel-en-le-Frith, *Rogers.*

C. Barlborough Low Common; Dale.

P. Elmton; Houghton; Glapwell.

T1. Mickleover, *Painter*, *Nat^t.* Markeaton; Barton Blount; Dalebrook, Sudbury; between Longford and Peathays, Shirley; near Ladyhole, Ashbourne.

T3. Drakelow.

Var. *pedicellata* (Townsend).

L. Common in the lower reaches of Dovedale, *Purchas*, *J.B.* Between Miller's Dale and Monsal Dale, *Rogers.* Hope; Brough.

G1. Allport Dale.

G2. Edge of Strines Wood, Cromford, *Bailey*, *C.D.* By large pool at Calver.

C. West Hallam, near the Station; Loscoe.

P. Houghton.

T1. Mugginton; Mackworth; Longford; Foston; Cubley; Boylestone Old Hall.

T2. Canalside below Osmaston, and about Chaddesden and Spondon.

Var. *depauperata* Crépin.

L. Bradwell Old Moor; 450 yards.

Mr. Purchas (J.B., 1885, 202) remarks: "There are two forms of *G. plicata;* one which I suppose to be the typical plant of Fries, is glaucous, with blunt broad leaves, which are folded in vernation; the other, a much taller plant, quite green, like *G. fluitans*, and with narrow-pointed simply-folded leaves, and with a much larger panicle; both of these, as well as *G. pedicellata*, were observed by Mr. C. Bailey and myself about the upper Reservoirs of the Via Gellia. . . Of *G. pedicellata* the fruit seems invariably abortive, if not infested with ergot, to which it is peculiarly liable."

G. aquatica *Sm.*

Native. EB. By canals, rivers, pools. Frequent. P. July-Sept.

First record, *Glover*, 1829.

L. Dovedale, *C.D.*

G2. Canal south of Whatstandwell, *B. & N.*, *J.B.* Cromford, *Painter*, *Nat^t.*

C. Near Renishaw, *Waterfall.* Canal near Shipley Gate, and near Kirk Hallam; Fritchley.

T1. Findern, *Painter*, *Nat^t.* Marston-on-Dove; Scropton; Sudbury.

T2. Spondon, *Painter*, *Nat^t.* Thrumpton Ferry; Sandiacre; by the Erewash, at Long Eaton.

T3. Pond at Calke, *Purchas*, *J.B.* Willington; Swarkeston Bridge; Burton-on-Trent, *Painter*, *J.B.* Repton, *Wild Fl. Rept.* Canalside, Egginton.

FESTUCA *L.*

F. rigida *Kunth.* *Sclerochloa rigida* Link.

Native. BE. Dry places, wall tops. Rather rare. A. May-July.

First found, *Salt*, 1801; record, *Glover*, 1829. *Poa rigida.*

L. Wall near Monsal Dale Station, 250 yards, *Baker*, *J.B.* Miller's Dale, *Painter*, *J.B.* Near Bakewell, *Hb. Salt.* Near Dovedale, *Purchas.* Wall at Redhouse Farm, between Sandybrook and Thorpe.

P. Wall near Clowne, *Waterfall*, *C.D.*

T2. Sandiacre.

T3. Ticknall Quarry, *Rept. F. & F.*

F. Myurus *L.* *F. pseudo-Myurus* Soy-Will.

Native. E. Dry sandy places, walls. Very rare. A. June-July.

First record, *Glover*, 1829. Top. Bot. "Howitt Cat."

T3. Repton Park Wall, *Rept. F. & F.*

F. sciuroides *Roth.* *Vulpia sciuroides* Gm.

Native. B. Dry waysides, banks, walls. Local. A. May-June.

First record, *Glover*, 1829. *F. bromoides.*

C. Casual on arable land, Shirland.

T1. Sandy places by roadsides [Osmaston-by-Ashbourne neighbourhood], *Smith MSS.* Slack Lane, Brailsford; between the Mill and the wood, Shirley; by cart road, north of Bradley Park Farm.

T2. Sawley; Boyah Grange, Dale.

T3. Dry banks between Calke and Melbourne, and also at Dimminsdale, *Purchas*, *J.B.* Egginton Common.

F. ovina *L.* *Sheep's Fescue Grass.*

Native. B. Dry pastures, dales, heaths, waysides. Common. P. June-July.

First record, *Pilkington*, 1789.

General and abundant through the County. "Ascends over 550 yards on Axe Edge," *Baker, J.B.*

Var. *capillata* Hackel.

G1. Fairbrook, near the Snake Inn; by R. Noe, Edale.

G2. Frequent on gritstone heaths about Matlock, *B. & N., J.B.*

Var. *glauca* (Lam).

L. Dovedale, *Purchas, J.B.* Eldon Hill; Longstone Edge.

G1. Near the Snake Inn; Longseats, Castleton.

F. rubra *L.* var. *fallax* Thuill. *F. ovina*, var. *duriuscula* Hackel.

Native. B. Meadows, pastures, waysides, banks. Common. P. June-July.

First record, *Glover*, 1829.

Generally distributed. A very variable species, becoming much reduced at high altitudes, and very luxuriant in low meadow land. "Frequent up to 500 yards" [Buxton], *Baker, J.B.* "Banks and grassy places" [Calke], *Purchas J.B. F. rubra.*

F. silvatica *Vill. Wood Fescue.*

Native. S. Woods in hilly districts. Very rare. P. July.

First record, *Pilkington*, 1789 (who, however, speaks of it as "common in woods" rendering his record more or less uncertain); *Knapp, Gram. Brit.*, 1804. *F. calamaria.*

L. Ashwood Dale, *Painter, J.B.* Plentiful at Matlock, *Knapp.*

G1. Shady part of Stirrup Wood, Charlesworth, very plentiful, *Whitehead, B.L., Rec.*, 1875, 133.

F. elatior *L.*

Native. B. Meadows, damp pastures, canalsides. Frequent. P. June-July.

First record, *Glover*, 1829.

L. Taddington Wood, 250 yards, *Baker, J.B.* Dovedale; especially plentiful in the Via Gellia; when in flower its divaricate panicle-branches make it conspicuous, *Purchas, J.B.* Miller's Dale, *Rogers.* Castleton; by the Wye, at Ashford.

C. By the canal, north of Chesterfield; near Kirk Hallam; New Stanton.

P. Rowthorne; Scarcliffe Park Wood.

T1. Mickleover, *Painter, Nat^t.* Shirley; Cubley Common, and Darley Moor.

T2. Canalside at Chaddesden, and Chellaston; Trentlock; Sandiacre.

T3. Burton, *Hb. Mason!*

Var. *pseudololiacea* Hackel. *Glover*, 1829. *F. loliacea.*

L. Dovedale, *Nowers.*

G1. Charlesworth Coombs (var. *loliacea*), *Fl. Ashton.* Chinley; Chapel-en-le-Frith.

T1. Sinfin Moor; pond below Yeldersley Hall.

T2. Meadows on the way to Spondon, and below Moor Lane, Ockbrook, *Smith MSS.*

T3. Calke, *Purchas, J.B.* (*loliacea*).

Var. *pratensis* Huds. *Glover*, 1829.

"Common up to 500 yards," *Baker, J.B.* General through the County.

Hybrid. × *Lolium perenne. B.E.C. Rep.* for 1898, 1899.

G2. Field beyond the brook north of Wensley, towards the Birchover Road, several plants with the parents.

C. Alfreton; Shirland; Tibshelf.

F. arundinacea *Schreb.*

Native. B. Streams, canals. Rare. P. June-July.

First record, *N.H., Tutb.*, 1863.

L. Miller's Dale; Cressbrook Dale, *Hannan, C.D.*

T1. Mickleover, *Bindley.*

T3. Burton, *Hb. Mason!* Drakelow, *N.H. Tutb.*

This and the preceding are connected by intermediate forms, and should be distinguished as varieties rather than species.

BROMUS *L.*

B. giganteus *L. Tall Brome Grass. Festuca gigantea* Vill.

Native. BE. Shady places, woods, hedgebanks. Frequent. P. July-Aug.

First record, *Pilkington*, 1789.

L. Wye Valley, up to Buxton, 300 yards, *Baker, J.B.* Dovedale; thickets about Matlock, much less common than *B. asper, B. & N., J.B.* Great Shacklow Wood; Cressbrook Dale.

G1. Chapel-en-le-Frith, *Rogers.* Hayfield; Mills, near Mellor; Hathersage.

G2. Holbrook, and east of Allestree Park; Froggatt; Bubnell, Baslow.

C. Woods near Horton, *The Naturalist.* The Moss, Mosbrough; Westthorpe; by pool east of Killamarsh; woods N.E. of Coal Aston; Sheepbridge; wood by Pebley Pond, Barlborough.

P. Markland Grips.

T1. Mickleover, *Painter, Nat^t.* By Brailsford Brook; Shirley; Stydd.

T2. On the brook banks below Moor Lane, towards Dale [from Ockbrook], *Smith MSS.*

T3. About Calke, *Purchas, J.B.* Stapenhill, *Hb. Mason!* Drakelow, *Nowers.* Repton, *Wild Fl. Rept.*

B. ramosus *Huds. Rough Brome Grass. B. asper* Murr.

Native. BE. Woods, hedges, bushy banks. Common. P. July-Aug.

First record, *Pilkington*, 1789. *B. hirsutus.*

Generally distributed, perhaps most abundant on limestone. "Up to 300 yards," *Baker, J.B.*

B. erectus *Huds.*

Native. GE. Limestone pastures and roadsides, dry banks. Local and rare. P. June-July.

First record, *Pilkington*, 1789.

L. Cressbrook Dale, *Sunderland & Hannan*, *C.D.* Miller's Dale, *Painter*, *J.B.*

C. Barlborough.

P. Markland Grips, near Clowne, *Waterfall*, *C.D.* Bolsover; near The Walls, Whitwell.

T1. Between Osmaston Manor and Copse Hill, *Smith MSS.*

T2. Not very common but found in a wood near Little Eaton, *Pilkington.*

B. sterilis *L.*

Native. BE. Woods, hedgebanks, waste places. Common. A. June-July.

First record, *Pilkington*, 1789.

Generally distributed. "Ascends to 400 yards on limestone rocks over Castleton," *Baker*, *J.B.*

B. secalinus *L.*

Colonist. BE. Arable land. Rare. A. June-July.

First record, *Glover*, 1829.

G1. Charlesworth, *Painter*, *J.B.*

T2. Near Hopwell Hall, *Watson's N.B.G.*

Var. *velutinus* (Schrad).

T3. Newhall, *Hb. Mason.*

B. racemosus *L.*

Native. B. Meadows, pastures, arable and waste land. Rather rare. P. June-July.

First record, *Glover*, 1829.

L. Near Dovedale, *Fraser*, *C.D.*

G2. In damp parts of meadows near the Ecclesbourn Brook above Shottle Station.

C. Shirland.

P. Whitwell.

T1. Near the Knob, Hulland; fields adjoining Yeldersley Lane; between Vicarage and the Wood, Shirley.

T3. Damp grassy places, especially where water stands in the winter [Calke], *Purchas*, *J.B.*

B. commutatus *Schrad.*

Native or Colonist. B. Meadows, waysides, fields. Rare. B. June-July.

First record, *The Flora.*

T1. Roadside between Osmaston and Ladyhole, near Ashbourne; by brook at Hilton.

T3. Ticknall, *Purchas.* Burton, *Hb. Mason.*

B. mollis *L.* *Soft Brome Grass.*

Native. B. Fields, meadows, waysides, waste places. Common. A. or B. June-Aug.

First record, *Glover*, 1829.

General and abundant. "Common up to 500 yards," *Baker, J.B.*

[**B. arvensis** *L.* Glover, 1829.

Shirley, *C.D.* An error.]

BRACHYPODIUM *Beauv.*

B. gracile *Beauv.* *False Brome Grass.* ‖ *B. silvaticum* R. & S.

Native. B. Hedgebanks, wood borders. Common. P. July-Aug.

First record, *N.H. Tutb.*, 1863.

"Common in woods up to 350 yards," *Baker, J.B.* Not noticed on the magnesian limestone, where *B. pinnatum* seems to take its place.

B. pinnatum *Beauv.*

Native. GE. Dry limestone or chalky slopes, pastures. Locally abundant. P. July-Aug.

First record, *Watson's N.B.G.*, 1837.

L. Matlock Bath, *Smith MSS.* Great Rocks Dale.

G3. Crich Stand, *Painter, J.B.*

C. Westthorpe; Barlborough Low Common; has spread to these localities from the neighbouring Permian.

P. Abundant in all this district; noticed at Bolsover; Clowne; Elmton, Glapwell; Rowthorne, &c., *B.E.C. Rep.*, 1893, 439.

LOLIUM *L.*

L. perenne *L.* *Darnel.*

Native. B. Roadsides, fields, waste ground. Common. P. June-July.

First record, *Pilkington*, 1789.

General and plentiful. "Common up to 500 yards," *Baker, J.B.*

*Var. *italicum* (Braun).

L. Introduced at Matlock, *B. & N., J.B.* Miller's Dale, *Rogers.*

G2. Between Birchover and Stanton; Kelstedge.

C. Near the Rother, Renishaw; Shirland; Alfreton.

T1. Shirley; fields, Yeldersley; between Allestree and Quarndon; Boylestone Old Hall; Hatton; Church Broughton.

T2. Sandiacre; Shardlow.

T3. Fields about Calke, *Purchas, J.B.*

L. temulentum *L.* *Bearded Darnel.*

Colonist. BE. Cultivated land. Rare. A. June-July.

First record, *Glover*, 1829.

L. Above Miller's Dale Station, about 350 yards, *Rogers.*

T1. Near Rodsley, *Smith MSS.*

T3. Parson's Hills, Repton, *Rept. F. & F.*

AGROPYRON *J. Gaert.*

A. caninum *Beauv. Triticum caninum* Huds.

Native. B. Woods, copses, hedgebanks, brooksides. Frequent. P. July.

First record, *Glover*, 1829.

L. Common in the limestone woods up to Buxton, 350 yards, *Baker, J.B.* Matlock, frequent up to 350 yards, *B. & N., J.B.* Miller's Dale, *Rogers.* Via Gellia, *Gibbs.* Dovedale, *Purchas.*

G1. Stirrup Wood, *Fl. Ashton.* Ashopton.

G2. By the Derwent, below Mytham Bridge.

C. Loscoe; West Hallam; woods near Coal Aston; The Moss, Mosbrough; Sheepbridge; by Pebley Pond; Dale; New Stanton.

P. Bolsover; Cresswell Crags; Harlesthorpe, near Clowne.

T1. Between Snelston and Norbury Church, *Smith MSS.* By Bradley Brook; copses near Longford; Cubley; Markeaton; Allestree; Kedleston Park; Barton Blount.

T2. Near Trent Station; Wilsthorpe, near Long Eaton.

T3. Banks of brook at Heath End, *Purchas, J.B.* Calke, *Bloxam.* Burton-on-Trent, *Painter, J.B.* Repton, *Wild Fl. Rept.*

A. repens *Beauv. Twitch. Couch Grass.*

Native. B. Hedgerows, bushy places, field borders. Common. P. June-August.

First record, *Pilkington*, 1789.

General through the County. "Common up to 400 yards," *Baker, J.B.*

Var. *barbatum* Duval-Jouve. *Wats. B.E.C. Rep.* 1889, 12.

G1. Hope; Hague Bar, near New Mills; Derwent Dale; above Castleton.

G2. Hathersage.

C. East of Totley; Linacre Wood, Old Brampton.

P. Bolsover; Clowne.

T1. Shirley; Yeldersley Lane; Hatton; Longford.

T2. Elvaston.

Var. *obtusum* Syme.

G1. Derwent Dale.

G2. Kelstedge.

P. Bolsover.

T1. Yeldersley.

NARDUS *L.*

N. stricta *L. Mat Grass.*

Native. B. Moorland, heathy roadsides. Locally plentiful. P. June-July.

First record, *Pilkington*, 1789.

L. Dovedale, *B. & N.*, *J. B.* Diamond Hill, *Rogers.* Alsop Moor, *Purchas.*

G1. Ascends over 550 yards on Axe Edge, *Baker*, *J.B.* Near Glossop, and Snake Inn; Edale; near Eyam; Hood Brook, Hathersage; abundant on all the moors.

G2. Tansley Moor, *B. & N.*, *J.B.* Moors near Dore; Dethick Moor, *Gibbs.* East of Bradwell.

C. Wessington Common.

T1. Mickleover, *Painter*, *Nat*^{t}. Yeldersley.

T3. Near Calke Abbey, *Purchas*, *J.B.* Linton Heath, *Painter*, *J.B.*

HORDEUM *L.*

H. silvaticum *Huds.* *Wood Barley.* *Elymus europæus* L.

Native. GE. Woods and copses, mostly on limestone. Rare. P. July-Aug.

First records, *Withering*, 1787; *Pilkington*, 1789; *Knapp*, 1804.

L. On the Bakewell Road, Buxton, *Bab. B.L. Rec.*, 1877, 245. Matlock, *Garner.* Great Shacklow Wood, Ashford.

G1. Stirrup Wood, Charlesworth, *Fl. Ashton.*

P. Pleasley Park, *Watson's N.B.G.*

H. secalinum *Schreb.* *Meadow Barley.* *H. pratense* Huds.

Native. E. Meadows, fields, waysides. Local. P. July-Aug.

First record, *Pilkington*, 1789.

L. Near Bakewell, on the road to Buxton, *Watson's N.B.G.*

C. In the fields about Coxbench, *Pilkington.*

T1. Occasionally in meadows [Osmaston-by-Ashbourne neighbourhood], *Smith MSS.* Mickleover, *Painter*, *Nat*^{t}. Between Allestree and Quarndon; Sinfin Moor; Marston Montgomery.

T2. Between Chellaston and Swarkeston, *Painter*, *Nat*^{t}. Pastures by R. Erewash, near Long Eaton; Sawley.

T3. Meadows at Calke, *Purchas*, *J.B.* Stapenhill, *N.H. Tutb.* Repton, *Wild Fl. Rept.*

H. murinum *L.* *Wall Barley.*

Native. EB. Waste places, roadsides, especially near villages and buildings Locally abundant. P. June-Aug.

First record, *Pilkington*, 1789.

G1. Chapel-en-le-Frith, *Painter*, *Nat*^{t}.

C. Near Codnor Park Station, 300 feet; Ilkeston; New Stanton.

T1. Common about Derby, *C.D.* By Tutbury Bridge, and near Hatton.

T2. Chellaston, *Hassé*, *C.D.* Spondon; canal, Borrowash Bridge, *Smith MSS.* Near Trent Station; Sandiacre; Long Eaton; Shardlow; Boulton.

T3. At Swarkeston Bridge; Repton, *Purchas.* Calke, *Bloxam.* Egginton, especially by canal bridges.

B. GYMNOSPERMÆ.

CONIFERÆ.

JUNIPERUS *L.*

J. communis *L.* *Juniper.*

Native. B. Limestone slopes. Rare. S. May-June.

First record, *Baker*, *J.B.*, 1884.

L. Ashwood Dale, limestone cliffs, 350 [550 in J.B.] yards, *Baker*, *J.B.*

TAXUS *L.*

T. baccata *L.* *Yew.*

Native. E. Woods and cliffs on limestone, doubtfully indigenous elsewhere. Frequent. T. March-April.

First record, *Pilkington*, 1789.

L. Matlock Tor, and over Bonsall, truly wild, but in small quantity *B. & N.*, *J.B.* Plentiful in some of the cliffs in Dovedale, *Purchas*, *J.B.* Miller's Dale; Middleton, *The Naturalist.* Cromford, *Gibbs.* Great Rocks Dale.

C. Wood by Pebley Pond. The largest I have seen growing wild are situated on Smalley Common, *Pilkington.*

P. Cresswell Crags; Markland Grips; Langwith Wood.

T2. Morley, *C.D.*

T3. About Calke, doubtfully wild, *Purchas*, *J.B.* Foremark Bottoms *Hagger*, *C.D.* Anchor Church, *Wild Fl. Rept.*

PINUS *L.*

P. silvestris *L.* *Scotch Fir.*

Denizen; often planted or self-sown. S. Hillsides, hedges, copses. Frequent. T. May.

First record, *Glover*, 1829.

L. Matlock, *Crewe & Whittaker.*

G1. Planted up to 500 yards, near Buxton, *Baker*, *J.B.* About Chinley and Chapel-en-le-Frith.

G2. Self-sown about the Lumsdale Grit Quarries, *B. & N.*, *J.B.* Black rocks near Wirksworth, *Gibbs.* Lea Hill, Cromford, *Painter*, *Nat*^{t}.

T1. Radbourn, *Bindley.* Shirley; Mackworth.

T3. Bretby, *Gibbs.* Repton, *Wild Fl. Rept.*

CRYPTOGAMEÆ.

FILICES.

PTERIS *L.*

P. Aquilina *L. Bracken. Brake.*

Native. B. Woods, heaths, hedge banks. Common. P. June-July.

First record, *Glover*, 1829.

Generally distributed. "Ascends to 550 yards on Axe Edge, just meeting *Rubus Chamæmorus*," *Baker, J.B.* On Bleaklow Hill, *Pteris* reaches to about 600 yards at Grinah Stones, whilst *R. Chamæmorus* descends towards Woodhead to about 530 yards. "Absent from Dovedale," *Purchas, J.B.*

[**Cryptogramme crispa** *R.Br. Parsley Fern.*

Native or error? *Bot. Guide*, 1805. Top. Bot. "Derby?" 511.

G1. Chinley Hills, near Chapel-en-le-Frith, *Howard in B.G.* It is probable that this fern did once grow in the above locality; Newman in his British Ferns (1854) regarded it as then extinct.]

LOMARIA *Willd.*

L. Spicant *Desv. Hard Fern. Blechnum Spicant* Roth. *B. boreale* L.

Native. B. Heaths, rocky moorland, woods, banks, avoiding limestone.

Frequent. P. July.

First record, *Glover*, 1829.

G1. "Ascends to 550 yards on Axe Edge," *Baker, J.B.* Burbage Edge, *C.D.* Fernilee, *Phyt. N.S.*, 1860, 351. Torside Clough; near Goyt's Bridge; near the Snake Inn; Hood Brook, Hathersage.

G2. Gritstone heaths near Matlock, *B. & N., J.B.* Moors near Dore, *Gibbs.* Abney; Burbage Brook; Froggatt; Eyam Moor.

C. Breadsall Moor, *Crewe & Whittaker.* Walton Wood; Totley Moss.

T1. Moist banks [Osmaston-by-Ashbourne neighbourhood], *Smith MSS.* Burnaston, *Bindley.* Shirley.

T3. Calke, *Purchas, J.B.* Bretby, *Gibbs.* Repton Shrubs, *Painter, J.B.*

ASPLENIUM *L.*

A. Adiantum-nigrum *L. Black Spleenwort.*

Native. B. Rocks, walls, shady banks. Rare. P. May-Sept.

First record, *Glover*, 1829.

L. Via Gellia, *Rowland, C.D.* Dovedale, *Phyt. N.S.*, 1858, 538. Near Eyam, *Painter, Nat^t.*

G1. Fernilee, *Phyt.* 1860, 350.

C. Breadsall Moor; Horsley Castle, *Crewe & Whittaker.*

T1. Doveridge Church; Brailsford, *Smith MSS.* Bank of road between Yeaveley and Rodsley.

T3. Walls at Calke, *Purchas, J.B.* Cricketfield wall, Repton; Anchor Church, *Wild Fl. Rept.*

A. viride *Huds. Green Spleenwort.*

Native. H. Damp limestone rocks. Rather rare. P. June-Sept.

First record, *Pilkington*, 1789.

L. Castleton to Old Moor, rare, 400 yards, *West, J.B.* Miller's Dale, one plant, *Rogers.* Near Buxton, *Bree in Purton.* At the top of a ravine above Peveril Castle, *Garner.* Dovedale, *Newm. Br. F.* Extinct? Near Hartington, *Fyldes.* Rocks over Brook Bottom, Tideswell; north side of Eldon Hill, 500 yards; Great Rocks Dale; Conies Dale, Peak Forest; Hartle Dale, Bradwell; wooded part of Chee Tor; rocks under Harper Hill.

C. Coxbench Wood, *Pilkington.*

A. Trichomanes *L. Maidenhair Spleenwort.*

Native. B. Rocks, walls. Not uncommon. P. May-Sept.

First record, *Pilkington*, 1789.

L. Up to 400 yards, Wormhill, *West, J.B.* Miller's Dale, *C.D.* Taddington Wood, 250 yards, *Baker, J.B.* Poole's Hole; Matlock, *Gisborne.* Upper Dove, below Buxton, *Purchas.* The Winnatts; Harborough Rock; Bee Low, and Conies Dale, near Peak Forest; Hartle Dale, Bradwell; near Monyash, and Ricklow Quarry.

G1. Near Whaley Bridge, towards Buxton, *Phyt. N.S.*, 1860, 350. Mellor, *Fl. Ashton.*

G2. Froggatt Edge, *Painter, Nat*[t]*.*

C. Dale, *Hassé, C.D.*

P. Steetley, *Friend.* Markland Grips.

T1. Copse Hill, Osmaston-by-Ashbourne, *Smith MSS.* On a wall at Quarndon, *Pilkington.*

T2. Breadsall Church, *Crewe & Whittaker.* Derby, *Painter, J.B.*

T3. Walls at Calke, *Purchas, J.B.* Anchor Church, *Wild Fl. Rept.*

A. Ruta-muraria *L. Wall Rue. White Maidenhair.*

Native. B. Walls, cliffs. Frequent. P. May-Sept.

First record, *Dillenius*, 1724. "*Rutam murariam foliis variegatis. . . D. Richardson eamdem var. ex. com. Derbiensi in hortum suum intulit.*"

"In the rocky clefts of the hills of Derbyshire. . . . the fronds attain a length of six or eight inches and a branched habit that might readily induce the casual observer to regard it as a different species," *Sowerby, Ferns of Grt. Brit.*, 1855.

L. Limestone cliffs, ascending to 400 yards over Castleton, *Baker, J.B.* Wormhill, 400 yards, *West, J.B.* Miller's Dale, *Barrow.* Walls about Matlock, *B. & N., J.B.* Wirksworth, *Gibbs.* Dovedale, *Purchas.* Conies Dale, and Bee Low, near Peak Forest; Hartle Dale, Bradwell; near Monyash.

G1. Fernilee, *Phyt. N.S.*, 1860, 351. Bridge over the Etherow, about two miles from Mottram, *Buxton's B.G.* Mellor, *Fl. Ashton.*

G2. Duffield Bridge, *Crewe & Whittaker.* Shatton; Grindleford Bridge; Baslow; Ambergate; Fallgate, Ashover.

C. Wall at Norton, *The Naturalist.*

P. Whitwell, *The Naturalist.* Markland Grips; Cresswell Crags; Upper Langwith.

T1. Walls about Derby, *C.D.* Ashbourne Churchyard, *Miss Sandford.* Quarndon, *Glover.*

T2. Breadsall Church; Morley, *Crewe & Whittaker.*

T3. Walls at Calke, *Purchas, J.B.* Bretby, *Gibbs.* Repton, *Wild Fl. Rept.*

ATHYRIUM *Roth.*

A. Filix-fœmina *Roth. Lady Fern.*

Native. B. Woods, shady banks, by streams. Frequent. P. June-July.

First records, *Martyn, Phil. Trans.*, 1729. "Filix mas non ramosa, pinnulis angustis raris profunde dentatis," *Ger. emac.*

L. Longstone Edge. "Rare in the limestone dales," *Baker, J.B.*

G1. Ascends to 550 yards on Axe Edge, *Baker, J.B.* Chapel-en-le-Frith; Curbar Wood; between Bugsworth and New Mills, *Rogers.* Fernilee, *Phyt. N.S.*, 1858, 612. Near the Snake Inn; near Crowden Reservoir; Bamford.

G2. Near Hathersage; near Fox House Inn; moorside west of Kirk Ireton; marsh by Cratcliffe Wood.

C. Breadsall Moor, *Crewe & Whittaker.* Totley Moss; quarry between Mosbrough and Killamarsh; woods near Coal Aston; Barlow Brook; Nether Loads, Old Brampton.

P. Langwith Wood.

T1. Mickleover, *Bindley.* Cubley Brook to Birchwoodmoor; brook below Hulland Hall; Cutler Brook, Kedleston; Atlow; Bradley; east of Sudbury.

T3. Calke, *Purchas, J.B.* Repton; Drakelow, *Hb. Mason!* Repton Rocks, *Wild Fl. Rept.*

Var. *rhæticum* (Roth.) Var. *convexum* Newm.

L. On the Leek Road, quarter of a mile from Buxton, *Withering.* About Matlock, *Phyt. NS.*, 1858, 612. Scow Brook, Hognaston.

G1. Chinley; Edale; Hood Brook, Hathersage.

G2. Chatsworth; near Kirk Ireton; Handley Wood, Shottle.

Var. *incisum* Newm.

G2. Chatsworth.

Var. *molle* Roth.

G3. Sandstone near Matlock, *Phyt. N.S.*, 1858, 612.

CETERACH *Willd.*

C. officinarum *Willd. Scaly Spleenwort.*

Native. E. On limestone rocks, walls. Rare. P. May-June.

First record, *Jewitt*, 1811. *Asplenium ceterach.*

L. Upper part of Lathkil Dale, *Ley*. On the rocks near Buxton, *Wilson*. Dovedale, formerly abundant, now almost extinct, *Purchas*, *J.B.* Near Beresford Dale.

T3. Newton, *Bloxam*.

SCOLOPENDRIUM *Adans.*

S. vulgare *Symons. Hart's Tongue.*

Native. BE. Shady banks, old wells, woods, rocks. Frequent. P. July-Aug.

First record, *Pilkington*, 1789. *Asplenium scolopendrium.*

L. Limestone cliffs, Matlock, avoids the gritstone, *B. & N.*, *J.B.* Near Buxton, *Green*, *C.D.* Dovedale; Cromford, *Gisborne*. Via Gellia, *Painter*, *Natt.* Monk's Dale, *Linton. Cressbrook.*

G1. Stirrup Wood, *Buxton's B.G.* Mellor; Ludworth, *Fl. Ashton.* Near Whaley Bridge, towards Buxton, *Phyt. N.S.*, 1860, 350.

P. Markland Grips.

T1. Mickleover, *Painter*, *Nat*[t]. Old well in Shirley Village. Littleover, *Pilkington.*

T2. Breadsall, very rare, *Whittaker*, *Phyt.*

T3. Calke, *Purchas*, *J.B.* Stapenhill, *Hb. Mason!* Repton, *Wild Fl. Rept.*

CYSTOPTERIS *Bernh.*

C. fragilis *Bernh. Bladder Fern.*

Native. BH. Limestone rocks, elsewhere rare. P. June-Aug.

First record, *Ray. Cat.*, 1677. *Filix saxatilis caule tenui fragili*, J.B.

L. Lover's Leap, Buxton, *An. Brit. F.* Limestone cliffs over Castleton, 400 yards, *Baker*, *J.B.* Limestone cliffs, Matlock, *B. & N.*, *J.B.* Miller's Dale; Monsal Dale, *Rogers*. Wormhill, 400 yards, *West*, *J.B.* Eyam Dale, *Hb. Salt.* Eldon Hill, 500 yards; Bee Low, Peak Forest; near Monyash.

G1. Fernilee, towards Buxton, *Phyt. N.S.*, 1860, 351. Edale.

G2. Fallgate, Ashover.

P. Markland Grips.

T1. Between Ellastone and Ashbourne, *Smith MSS.*

Var. *dentata* Hook. *Gem of the Peak*, 1845; *Buxton Guide*, 1854.

L. Cave near Buxton, *Hb. Mason!* Matlock, *Gem of the Peak.*

G1. Fernilee, towards Buxton, *Phyt. N.S.*, 1860, 351.

G2. Chatsworth, *Gem of the Peak.*

POLYSTICHUM *Roth.*

[**P. Lonchitis** Roth.

Near Buxton, 1863, *Darwen and Huish in Smith's Ferns of Derbs.*]

P. lobatum *Presl. Prickly Shield Fern.*

Native. B. Limestone rocks, woods, banks. Rare. P. June-Sept.

First records, *Jewitt*, 1811. *P. Lonchitis*; *Purton*, 1817. *Aspidium lobatum.*

L. Chee Dale, 300 yards; Monk's Dale, Wormhill, 350 yards, *West, J.B.* Near Buxton, *Bree in Burton.* Near Ashbourne, *Nowers.* Matlock, *An. Brit. F.* Great Shacklow Wood, Ashford.

G1. Fernilee, *Phyt. N.S.*, 1860. Stirrup Wood, *Buxton's B.G.* Near the Snake Inn.

G2. Lindup Wood, Heathy Lea, Chatsworth, *Gem of the Peak.*

T1. Trusley, *Painter, Nat*[t].

T2. Morley, *Crewe & Whittaker.*

Var. *aculeatum* Syme.

Native. B.

First records, *Bloxam MS.*, 1833; *An. Brit. F.*, 1837.

L. Monsal Dale; Chee Dale; Longstone Edge, *Linton.* Matlock Bath, *Rowland, C.D.* Peak Forest, *C.D.* Monk's Dale, *Wilson.* Nearly eradicated in Dovedale, *Purchas, J.B.*

G1. Fernilee, *Phyt. N.S.*, 1860. Stirrup Wood near Mottram, *Buxton's B.G.* Mellor; Whitebottom Wood; Strines, *Fl. Ashton.*

G2. Lindup Wood, Rowsley, *Gem of the Peak.*

P. Markland Grips.

T1. Between Edlaston and Yeaveley, opposite Swallow Tail Farm; Long Lane, Edlaston; Dobbin Horse Lane, near Clifton, *Miss Sandford.* Trusley, *Bindley.*

T3. Calke, *Bloxam.* Between Repton and Bretby, *Rept. F. & F.*

P. angulare *Presl.*

Native. E. Woods, shady banks. Local and rare. P. June-Aug.

First records, *Gem of the Peak*, 1845? *Buxton Guide*, 1854.

L. Near Buxton, *Buxton Guide.* Monk's Dale, *Wilson.* Lovers' Walk, Matlock Bath, *Gem of the Peak.* Hartle Dale, Bradwell.

G1. Fernilee, *Phyt. N.S.*, 1860, 350. Near Flash, in the County, *Miss M. Rogerson.*

G2. Stand Wood, Chatsworth, *Gem of the Peak.*

C. Wood below Hallcliff Farm, Nether Loads, Old Brampton.

T1. Edlaston Wood, *Smith MSS.* Top of Quilow Hill, Edlaston, *Miss Sandford.*

T2. Breadsall, *Crewe & Whittaker.*

LASTRÆA *Presl.*

L. Oreopteris *Presl. Mountain Fern.*

Native. B. Mountain heaths and pastures, copses, banks of streams. Locally plentiful. P. July-Aug.

First record, *Ray. Cat.*, 1677. *Filix pumila saxatilis altera Clusii*, Park.

G1. On Axe Edge, 550 yards, with *Pteris* and *Athyrium Filix-fœmina, Baker, J.B.* Kinderscout; Burbage Edge, *Painter, J.B. & C.D.* Near the Powder Mills, and in several little cloughs between the Buxton New Road and the Goyt, Fernilee, *Barker.* Jaggers Clough, and near Westend Farm, *Gibbs.*

G2. Moors near Dore; Wirksworth, *Gibbs*. Dethick Moor, *An. Brit. F.* Froggatt; Ramsley Moor, near Baslow; by Burbage Brook.

C. Horsley Car, *Painter*, *Nat*[t].

P. Riley, Scarcliffe, *An. Brit. F.*

T1. Between Osmaston and Lentwood Farm; The Dumble, Hulland, *Smith MSS.*

T3. Robin Wood, near Ticknall, *Purchas*, *J.B.* Repton Shrubs, *Wild Fl. Rept.*

L. Filix-mas *Presl. Male Fern. Nephrodium Filix-mas* Rich.

Native. B. Hedgebanks, woods, bushy places. Common. P. June-Aug.

First record, *Pilkington*, 1789.

Generally distributed and mostly abundant. "Ascends up to 450 yards in Goyt's Clough," Baker, J.B.

Var. *affinis* Bab.

First record, *Martyn*, *Phil. Trans.*, XXXVI., 1729. "*Filix mas non ramosa, pinnulis angustis, raris, profunde dentatis,*" Ger. Em.

G2. Near Cromford Canal, *Rogers*.

C. Common about Wingerworth, *Martyn*.

T1. The Holt, Edlaston, *Linton*. Yeldersley Rough, near Ashbourne.

Var. *Borreri* Newm. Var. *paleacea* Moore.

G1. Chinley; R. Sett, S. of Hayfield; Combes Moss.

T1. Edlaston Coppy.

Var. *abbreviata* Bab.

G1. In the Peak, Derbyshire, *Johnson and Sowerby*, *Ferns of Gt. Brit.*, 1855.

[**L. cristata** *Presl. Polypodium cristatum.*

G1. Near Buxton, *Jewitt*, 1811. "Between Macclesfield and Buxton, *Gisborne*.]

[**L. uliginosa** *Newman.*

Top. Bot., 516, "57 Derby."]

L. spinulosa *Presl. Nephrodium spinulosum* Desv.

Native. EB. Damp or marshy woods and thickets. Not uncommon. P. June-Aug. First record, *Francis*, *An. Brit. F.*, 1837. "Derbyshire, *Howitt*."

L. Matlock, *Smith*, *C.D.* Between Ashwood Dale and Miller's Dale; Peak Forest and Old Dam, *Wilson*.

G1. A small form, in a slight hollow on the side of Axe Edge, at about 400 yards, *Rogers*. Ditch opposite Grindsbrook, Edale.

G2. Cromford, *Hb. Mason!* Near Ashover, *Hb. Salt.* Shatton; Burbage Brook; marsh by Cratcliff Wood, near Birchover.

C. Moorhole, near Hackenthorpe; Hardwick Wood; Walton Wood; Totley Moss; Blake Brook, above Baslow; wood by Pebley Pond, Barlborough.

T1. Shirley Wood, *Smith MSS.* Yeldersley Rough; Edlaston Coppy; Hulland Moss.

T3. Repton Shrubs; Foremark, *Painter, J.B.* Repton Rocks, *Wild Fl. Rept.*

L. dilatata *Presl. Nephrodium dilatatum* Desv.

Native. B. Woods, damp hedgebanks, thickets. Common. P. June-Aug.

First record, *Sm. Engl. Fl.*, 1824. *Aspidium dumetorum.*

Generally distributed, and abundant in many parts of the County. "Peak of Axe Edge, over 550 yards," *Baker, J.B.* A very glandular form occurs in moist woods about Hathersage and Grindleford Bridge, on gritstone. A glandular form with narrow fronds and light coloured scales occurs at Chinley Churn (G1). The small form (*dumetorum*) is recorded in *An. Brit. F.* 1837, for Black Rock, Cromford.

POLYPODIUM *L.*

P. vulgare *L. Polypody.*

Native. B. Banks, rocks, old trees, walls. Common. P. June-Oct.

First record, *Jewitt*, 1811.

General through the County. "Wormhill, 400 yards," *West, J.B.*

"Limestone cliffs up to 300 yards," *Baker, J.B.*

Var. *cambricum* Willd. *Jagged Polypody.*

L. Near Buxton, *Jewitt.*

PHEGOPTERIS *Presl.*

P. Dryopteris *Fée. Oak Fern. Polypodium Dryopteris* L.

Native. S. Mountain woods, shady places among rocks. Rare. P. July-Aug.

First record, *Bot. Guide*, 1805.

L. Hill between the Old and New Baths, Matlock, *Phyt. N.S.*, 1858, 612.

G1. Chinley Hill, *Bot. Guide.* Fernilee, *Phyt. N.S.*, 1860, 351. Charlesworth Coombs; Stirrup Wood; Ernocroft, *Fl. Ashton.* Woods near Compstall [in Derbs.], *Wilson.* Jaggers Clough, *Gibbs.* Fairbrook Clough, near the Snake Inn.

G2. Near Rowsley, *Crewe & Whittaker.* Umberley Brook, low down in the woodland, Chatsworth.

P. About the rocks near Pleasley Forges, *Bot. Guide.*

T1. Cubley, *Goodall!*

P. calcarea *Fée. Limestone Fern. Polypodium Robertianum* Hoffm.

Native. EI. Damp limestone rocks. Rather rare. P. July-Aug.

First record, *Bolton. Fil. Brit.*, 1790, who describes what is evidently this plant as a var. of Oak-fern; also *Withering*, 1792.

L. Between 250 and 350 yards [Wye Valley], *Baker*, *J.B.* Near Buxton, *Purton.* Miller's Dale, *Nowers.* About Matlock Bath, *Sm. Eng. Fl.* Matlock, *Hb. Mason!* Middleton Dale, *Glover.* Beyond the Bar, Ashbourne to Cromford, *Smith MSS.* Great Rocks Dale; Topley Pike; Coombs Dale, near Calver.

P. polypodioides *Fée. Beech Fern. Polypodium Phegopteris* L.

Native. SB. Damp shady places among hills, mountain woods. Rare. June-Aug.

First record, *Jewitt*, 1811.

L. Near Ashwood Dale, *Jewitt.* Near Hartington, *Smith MSS.*

G1. Between Ashopton and Snake Inn, *Smith MSS.* Stirrup Wood, *Buxton's B.G.* Ernocroft, *Fl. Ashton.* Jaggers Clough, *Gibbs.* Mellor, *Wilson.* Jarvis Clough, Ashopton; Fairbrook Clough; Hood Brook, Hathersage; Roych Clough, Chapel-en-le-Frith.

G2. Abney Clough.

T1. Near Windley, *Crewe & Whittaker.*

OSMUNDA *L.*

O. regalis *L. Royal Fern.*

Native. B. Bogs, marshy woods. Very rare. P. June-Aug.

First record, *Glover*, 1829.

L. Formerly near Castleton, now extinct through the operations of fern-sellers, *C.D.*

G2. Darley Dale, *Smith MSS.*

T1. Breward's Car, Mugginton, now extinct, carried off to cottagers' gardens about 1890; Osmaston Ponds, on one of the islands, planted, I understand.

OPHIOGLOSSUM *L.*

O. vulgatum *L. Adder's Tongue.*

Native. B. Meadows, pastures, dales. Frequent. P. May-July.

First record, *Withering*, 1792.

L. Matlock Bath, Cromford; Thorpe, *Rowland*, *C.D.* Miller's Dale, *Gibbs.* Monsal Dale, *Painter*, *Nat^t.* Oxlow Rake, and Perryfoot, near Peak Forest; Litton; fields, north side of Hassop.

G1. Stirrup, *Fl. Ashton.* Burbage, *Painter*, *J.B.* Mellor, *Wilson.* Chinley; Edale; Hood Brook, Hathersage.

G2. Wirksworth, *Gibbs.* Between Whatstandwell and Cromford, *Nat. Hist. Journ.* Shottle, *Glover.* Beeley. Dethick, *Pilkington.*

C. Meadow near Beighton Fields; near Renishaw, *Waterfall.* Heanor, *An. Brit. F.*

P. Bolsover.

T1. Mickleover; Radbourn, *Painter*, *Nat^t.* Hognaston, *Rowland*, *C.D.* Hulland; Shirley Common; Cubley Common; east of Alkmonton.

T2. Breadsall; Morley, *Crewe & Whittaker*. Hopwell Park, *Hassé, C.D.* Derby, *Painter, J.B.*

T3. Meadows and pastures, Calke, *Purchas, J.B.* Bretby, *Gibbs*. Knowl Hills, *Nowers*. Repton; near Foremark, *Wild Fl. Rept.*

BOTRYCHIUM *Sw.*

B. Lunaria *Sw. Moonwort.*

Native. BS. Pastures, heaths. Local. P. May-July.

First record, *Pilkington*, 1789. *Osmunda lunaria.*

L. Monk's Dale, 350 yards; Matlock Bath, *West, J.B.* I once met with this on one of the hills above Dovedale, at about 400 yards, *Purchas, J.B.* Masson, Matlock; near Wirksworth, *Phyt.* iii., 222. Bradwell Dale, *Snelgrove.* Harborough Rock.

G1. Charlesworth Coombs, *Fl. Ashton.* Burbage Edge, *Green, C.D.* Corbar Wood, *Buxton Guide.* Ollerenshaw Farm, Chapel; on Wild's Farm, south of Cadster, Fernilee, *Barker.* Buxton, on the road to Manchester, a form with branched stalk, bearing several leaves and compound spikes, *Bot. Guide.*

G2. Wirksworth, *Gibbs.* Cromford, *Nowers.* Bar Brook, above Baslow, *Linton.* Sir William, Eyam; near Calver Mill Weir, *Gem of the Peak.* Roadside, Eyam Edge to Great Hucklow.

C. Moors near Brampton, *Gem of the Peak.*

T1. Short turfy meadows [Osmaston-by-Ashbourne neighbourhood], *Smith MSS.* Kedleston, *Crewe & Whittaker.* Field above Edlaston Coppice Farm, *Miss Sandford.* Mickleover, *Painter, Nat*[t]. Above the Knoll Wood, Bradley; between Ladyhole Farm and Bradley Wood; Shirley, fields near the Vicarage.

T3. About Calke, very local and in small quantity, *Purchas, J.B.* Swarkeston, *N.H. Tutb.* Sandy Fields near Foremark Hall and Southwood Close, *Wild Fl. Rept.*

The *B. rutaceum Sw.* is reported to have been found near Buxton, *Moor's Ferns of Gt. Britain and Ireland.* "The var. with fimbriated pinnules occurs at Osmaston," *Smith MSS.*

EQUISETACEÆ.

EQUISETUM *L.*

E. maximum *Lam. Great Horsetail. E. Telmateia* Ehrh.

Native. EB. Damp places, hedgebanks. Local. P. April-May.

First noted, *Crewe & Whittaker*, 1864.

L. Matlock Bath, *Rogers.* On shale by brook N.W. of Wensley; Ashbourne Green.

G1. Hague Bar, near New Mills; between Chinley Station and Lydgate.

G2. About the stream in Cromford Dale, *B. & N., J.B.* Under Birchill Bank, near Baslow; Harthill Moor, near Birchover, about 250 yards.

C. Newton Wood; Hucknall Wood.

T1. By stream between Copse Hill and Wyaston Grove, *Smith MSS.* Mugginton, *Painter*, *Nat*^{t}. The Ash Cover, by Bradley Brook; brook below Hulland Hall.

T2. Ockbrook, *Smith MSS.* Morley, *Crewe & Whittaker.*

T3. Calke, *Purchas*, *J.B.* Bretby, *Gibbs.* Repton Rocks, *Rept. F. & F.*

E. arvense *L.* *Field Horsetail.*

Native. B. Banks, fields, waysides. Common. P. March-April.

First record, *Glover*, 1829.

"Common up to 450 yards," *Baker*, *J.B.*

E. silvaticum *L.*

Native. B. Woods, damp banks, borders of fields, brooksides. Locally abundant. P. April-June.

First record, *Glover*, 1829.

L. Bradwell; on shale N.W. of Wensley.

G1. Chapel-en-le-Frith; near New Mills, *Rogers.* Mellor, *Searle*, *C.D.* Burbage Edge, *C.D.* Near the Snake Inn; Chisworth; Dinting; near Crowden Reservoir; upper Hurst Brook, Bamford, about 230 yards.

G2. Black Rocks, Cromford, *Crewe & Whittaker.* Wirksworth, *Bindley* Abney Clough; near Offerton; Great Hucklow; Froggatt; east of Bradwell; near Hathersage Booths; Hay Wood, Grindleford; Ashover Hay.

C. Horsley Car, *Crewe & Whittaker.* Dale Abbey, *An. Brit. F.* Wooded ravine east of Totley; pool east of Killamarsh; woods near Coal Aston; Walton Wood.

T1. Kirk Langley, *Painter*, *Natt.* Bradley; near the Brickyard, Yeldersley, the var. *capillare*, *B.E.C. Rep.*, 1888, 195.

T3. Calke to Southwood, *Purchas.* Bretby, *Gibbs.* Smisby, *N.H. Tutb.*

E. palustre *L.* *Marsh Horsetail.*

Native. B. Damp places, marshes, bogs. Common. P. June-Aug.

First record, *Jewitt*, 1811.

Generally distributed, though scarcely plentiful anywhere. "Swamps up to 500 yards," *Baker*, *J.B.*

Var. *polystachyum* auct.

G2. Near Hassop Station, *Linton.*

E. limosum *Sm.*

Native. B. Ditches, canals, pools, marshes. Frequent. P. June-Aug.

First record, *Pilkington*, 1789. *E. fluviale.*

L. Between Castleton and Chapel, *Phyt. N. S.*, 1858, 482.

G1. Swamps up to 500 yards, *Baker*, *J.B.* Chapel Reservoir; Edale.

C. Little London Dam, near Heeley, *The Naturalist.* Newton Wood, *Pilkington.* Foxen Dam, *Gibbs.* Totley Moss; Ault Hucknall.

T1. Tinker's Inn, Osmaston-by-Ashbourne, *Smith MSS.* Shirley; pond between Cubley Brook and Birchwood Moor; Marston Montgomery.

T2. Osmaston-by-Derby; Breadsall, *Painter, J.B.* By R. Erewash, near Long Eaton.

T3. Calke, *Purchas, J.B.* Bretby, *Gibbs.* Gresley, *Painter, J.B.* Repton, *Wild Fl. Rept.* By the canal, Egginton.

Var. *fluviatile* (L.) *Glover*, 1829.

L. Matlock Bath, *Rogers.* Ditches by the road from Castleton to Chapel, *Phyt. N.S.*, 1858, 482. Heathcote, *Purchas.*

G1. Chapel Reservoir, *Barker.*

G2. Cromford and Lumsdale Reservoirs, *B. & N., J.B.* Large pool at Calver; Ambergate.

C. Newton Wood, *Glover!* Stainsby Pond, near Heath; pool east of Killamarsh; pool by Parkhall Woods; Birleyhay, Ford; Pebley Pond; millpond N.E. of Fritchley.

P. Harlesthorpe, near Clowne.

T1. Radbourn, *Painter, Nat^t.* Bradley; Marston Montgomery; between Sudbury and Scropton, railway ditch; Marston-on-Dove.

T3. Repton, *Painter, Nat^t.*

LYCOPODIACEÆ.

LYCOPODIUM *L.*

L. Selago *L.* *Fir Club Moss.*

Native. BH. Moors, heaths, bogs. Rare. P. April-Aug.

First record, *Ray. Cat.*, 1677. *Muscus erectus abietiformis*, J.B.

L. Foot of High Edge, *Purchas.* Diamond Hill, Buxton, *Rogers.* Moors between Alstonfield and Buxton, *Smith MSS.*

G1. Near the Cat & Fiddle, *Gem of the Peak.* Charlesworth Coombs, *Fl. Ashton.* Kinderscout, near Hayfield, *C.D.* Above Edale Chapel, *An. Brit. F.* In the mountains near the Derwent, *Pilkington* (*Selago abietis*).

G2. Bogs on East Moor, *Glover.* Wirksworth, *Gibbs.* High Moors about six miles S.W. of Sheffield, *Hb. Salt.* Abney Moor, *Gem of the Peak.*

L. inundatum *L.*

Native. BE. Wet parts of moors and heaths. Very rare. P. July.

First record, *Bot. Guide*, 1805.

G1. Kinderscout, *Bot. Guide.* Chinley Hill, *Glover.*

G2. Tansley Common, *Crewe & Whittaker.*

L. clavatum *L. Club Moss. Stag's-horn Moss.*

Native. B. Moors and heaths. Rare. P. July-Aug.

First records, *Ray. Cat.*, 1677. *Muscus clavatus sive Lycopodium* Ger.; *Magn. Brit. & H.*, 1720.

L. Back Dale, near Hindlow; under Harper Hill.

G1. Axe Edge, *Garner.* Field above Stirrup Wood, *Buxton's B.G.* Charlesworth Coombs, *Fl. Ashton.* Stenior Clough, *Painter, J.B.* On the mountains near Derwent in the Peak, *Gough's Camden.* Under Back Tor, Edale.

G2. Bogs on East Moor, *Glover.* Abney Moor; top of Sir William, Eyam, *Gem of the Peak.* About three-quarters of a mile to the S.E. of Wirksworth, *Gibbs.* On the high moor S.W. of Sheffield, *Hb. Salt.* Near Matlock, *Stevens.* Bole Hill, Hathersage.

C. Breadsall Moor, formerly, *Whittaker, C.D.*

T1. Lower part of Edlaston Coppy, *Purchas.*

L. alpinum *L.*

Native. H. Stony moors and heaths. Very rare. P. July-Aug.

First record, *Martyn, Phil. Trans., XXXVI.* 1729. *Lycopodium Sabinæ facie*, Fl. Jen.

G1. On the mountains near Derwent, *Martyn.*

G2. Abney Moor, *Gem of the Peak.* High moors about 5 miles S.W. of Sheffield, *Hb. Salt.* Near Eyam, *N.H. Tutb.*

SELAGINELLACEÆ.

SELAGINELLA *Spring.*

S. selaginoides *Gray. S. spinulosa* A. Br. *Lycopodium selaginoides* L.

Top. Bot., 529.

Native. H. Moorland, damp heaths. Very rare. P. July-Aug.

First record, *Bot. Guide*, 1805.

G1. Kinderscout, *Bot. Guide.*

MUSCI.

VERY little was done in the investigation of the Mosses of Derbyshire until the nineteenth century was well advanced, and records in the preceding period are few and far between. These scanty notices, together with the subsequent more numerous records up to date, will be found in chronological order in the Introduction. The total number of species which have been up to the present time recorded is 327. That so many should be found in the County is accounted for by its great vertical range from lowland to sub-alpine, the many kinds of rocks, the varied nature of the surface, grass land, arable, woodland, streams, rivers, extensive moorland, and rocky slopes and edges.

Not a few species are of special interest owing to their extreme rarity in the County, notably *Porotrichum angustifolium*, for which the locality in Cressbrook still remains the only known station.

Other species of great rarity are :—

Seligeria tristicha *B. & S.*
Ditrichum tenuifolium *Lindb.*
Campylopus setifolius *Wils.*
Grimmia Stirtoni *Schimp.*
Pottia latifolia *C.M.*
Tortula brevirostris *B. & S.*
Weissia squarrosa *C.M.*
Pleurochæte squarrosa *Lindb.*
Zygodon Stirtoni *Schimp.*
Discelium nudum *Brid.*
Physcomitrella patens *B. & S.*, v. Lucasiana *Schimp.*
Physcomitrium sphæricum *Brid.*
Amblyodon dealbatus *P. Beauv.*
Bryum uliginosum *B. & S.*
B. affine *Lindb.*

Fontinalis Dixoni *Cardot.*

Eurhynchium circinatum *B. & S.*

Amblystegium Sprucei *B. & S.*, and confervoides *B. & S.*

The following are rare, though not in every case rare elsewhere:—

Andreæa petrophila *Ehrh.*, and crassinervia *Bruch.*

Tetraphis Browniana *Grev.*

Catharinea crispa *James.*

Diphyscium foliosum *Mohr.*

Cynodontium Bruntoni *B. & S.*

Blindia acuta *B. & S.*

Dicranodontium longirostre *B. & S.*

Fissidens crassipes *Wils.*

Hedwigia ciliata *Ehrh.*

Pottia Starkeana *C.M.*

Tortula lamellata *Lindb.*

Weissia tenuis *Schrad.*

Trichostomum tenuirostre *Lindb.*

Ulota Drummondii *Brid.*

Orthotrichum Sprucei *Mont.*, and tenellum *Bruch.*

Bryum murale *Wils.*

Mnium serratum *Schrad.*

Neckera pumila *Hedw.*

Antitrichia curtipendula *Brid.*

Cylindrothecium concinnum *Schimp.*

Pylaisia polyantha *B. & S.*

Brachythecium albicans *Neck.*, and illecebrum *Schwgr.*

Eurhynchium striatulum *Spruce.*

E. megapolitanum *Bland.*

Plagiothecium pulchellum *B. & S.*

Amblystegium varium *Lindb.*, and irriguum *B. & S.*

Hypnum vernicosum *Lindb.*

H. incurvatum *Schrad.*

It should be added that *Webera cucullata* Schimp., published in the Handbook of British Mosses, is now considered by Messrs. Dixon and Barker to be only a form of *W. nutans.* *Andreæa*

alpina and *Webera polymorpha* must also disappear from the list, both records being probably erroneous. Restriction of habitat to one or few formations is more marked in the mosses than in the phanerogams of the County. As many as 49 species are found on the limestone alone, 18 on both limestone and Permian, one on Permian only, making a total of 68 limestone mosses, though it should be mentioned that some of these species are by no means restricted to limestone in England generally. 36 species are found only on the grit, and four on both grit and sand. The *Sphagna* have none of them been recorded, so far as I know, from the limestone.

It may be worth remarking on the presence or otherwise of certain genera in the County. The *Andreææ* are rare; apparently they require the proximity of high mountains in order to flourish well. No *Buxbaumia* has yet been discovered, whilst *Seligeria* is well represented, all but one species being found. The list of *Dicrana* is poor, and though the genus contains species inhabiting all altitudes, there are but few to be found in Derbyshire. The *Rhacomitria* again are not so plentiful as might be expected. As regards the *Orthotrichaceæ* tree mosses are very and inexplicably scarce in the county; few of any interest are recorded except about Matlock. Neither are there many members of the orders *Leucodontaceæ* and *Leskeaceæ* to be found. Very little of the surface level being over 2,000 feet alpine species are rare in their occurrence as a rule, and the County being far from the sea maritime mosses are also mostly not in evidence. The absence of certain species (if really absent) is not easy to understand, such, *e.g.*, as *Bartramia ithyphylla*, *Grimmia orbicularis*, *Brachythecium salebrosum* (type).

I. SPHAGNACEÆ.

SPHAGNUM *Dill.*

S. fimbriatum *Wils.*

Swamps, marshy margins of pools. Rather rare.

First records, *Phyt. N.S.*, 1858; *The Naturalist*, 1886.

G1. Kinderscout, *Nat*^{t}. Goyt's Moss; Combes Moss; Wildmoor Clough; marsh 2½ miles from Whaley Bridge, towards Buxton, *Barker*. R. Westend; by the old road from Ringinglow to Foxhouse Inn; Jarvis Clough, Ashopton.

G2. Burbage Brook.

T1. Marshy ground south of Findern; bog below Bradley Wood.

Var. *tenue* Grav.

G1. Wildmoor Clough, *Barker*.

S. Girgensohnii *Russ.* *S. strictum* Lindb.

Moorland, woodland, among mountains. Rare.

First record, *The Naturalist*, 1886.

G1. Kinderscout, *Nat*^{t}. (*Holt and Whitehead*).

S. rubellum *Wils.*

Moorland. Not common.

First record, *The Flora*.

G1. Between Buxton and Whaley (*pallescens*?); by High Peak Railway at the foot of Bonsall Plane; by R. Goyt near and at Goyt's Bridge; Wildmoor Clough; Cowburn; about Tunstead, Chapel, and marsh between Ladder Hill and Wythen Lache, *Barker*.

Var. *versicolor* Russ.

G1. Marsh between Ladder Hill and Wythen Lache, Chapel, *Barker*.

S. acutifolium *Russ & Warnst.*

Boggy or wet moorland. Rather rare.

First record, *The Naturalist*, 1886.

G1. Kinderscout; Charlesworth Coombs; near Buxton, *Nat*^{t}. (*S. acutifolium* Ehrh.). Hollinworth Clough, *Barker*.

Var. *viride* Warnst.

G2. Dethick Common.

T1. Hulland Moss.

S. quinquefarium *Warnst.*

Mountain moorland. Rare.

First record, *Fl. Ashton*, 1888.

G1. Kinderscout, *Fl. Ashton*. Lightwood, Buxton, *Barker*.

S. subnitens *Russ & Warnst.* *S. lætevirens* Braithw.

Bogs, wet places. Not uncommon.

First record, *The Naturalist*, 1886.

G1. Kinderscout, *Nat*^{t}. (*Holt*). Grinds Brook, Edale; near Oram's Nursery, Fairfield; dingle near old toll-bar, Fernilee; Cowburn, *Barker*.

Var. *flavorubellum* Warnst.

G1. Marsh between Ladder Hill and Wythen Lache, Chapel, *Barker*.

Var. *griseum* Warnst.

G1. Axe Edge, *Barker*.

Var. *pallescens* Warnst.

G1. Near the Peacock Inn.

Var. *versicolor* Warnst.

G1. Ollerbrook, Edale.
G2. Burbage Brook; Umberley Brook, Chatsworth.
T1. Hulland Moss; Shirley Park; marshy ground south of Findern.

Var. *violascens* Warnst.

G1. Rising Clough, near Ashopton.
G2. Under Raven Tor, near Beeley.

Var. *virescens* Warnst. (v. *viride* W.)

G1. Marsh between Ladder Hill and Wythen Lache, and behind Tunstead, Chapel; Wildmoor Clough, *Barker*. Kinderscout, near Hayfield.

S. molle *Sull.* *S. Muelleri* Schimp.

Moorland. Rare.
First record, *The Flora*.
G1. West of Thorny Lea, towards Ladder Hill, near Spire Hollins, Combes, Chapel; dingle near old toll-bar, Fernilee, *Barker*.
G2. Burbage Brook, *Barker*.

Var. *tenerum* Braithw.

G1. Wildmoor Clough; near Goyt's Bridge; foot of Bonsall Plane; Lightwood, Buxton, *Barker*.

S. squarrosum *Pers.*

Boggy moorland, and by streams. Not uncommon.
First record, *N.H. Tutb.*, 1863.
G1. Charlesworth Coombs; Kinderscout, *Natt.* Hollinworth Clough, and a var., between Buxton and Whaley, *Barker*.
C. Breadsall Moor, *Derby Arch. and N.H. Soc. J.*, 1897.
T3. Newhall; Repton Rocks, *N.H. Tutb.*

Var. *spectabile* Russ.

G1. Hollinworth Clough; near Goyt's Bridge; Wildmoor Clough; foot of Bonsall Plane; Cowburn, *Barker*. Roych Clough, near Chapel; William Clough; Jarvis Clough, Ashopton; Rushup Edge, Edale.

G2. Above Padley Wood; Redcar Brook, above Dore.

T1. Hulland Moss; marshy ground south of Findern.

T3. Repton Rocks.

S. teres *Angstr.*, var *imbricatum* Warnst.

Wet moorland, by streams and pools. Rare.

First record, *The Flora.*

G1. Bamford Moor; Wildmoor Clough; William Clough (with the type), *Barker.*

G2. By Bar Brook, Baslow.

Var. *subsquarrosum* Warnst.

G1. Wildmoor Clough; William Clough, *Barker.*

S. cuspidatum *Russ & Warnst.*

Wet moorland. Not uncommon.

First record, *N.H. Tutb.*, 1863.

G1. Axe Edge, *N.D.M.* Cowburn, *Barker.* Kinderscout, *Nat^t.*

G2. Burbage Brook, *Barker.*

T3. Repton Rocks, *Hb. Mason.*

Var. *submersum* Schimp.

G1. Goyt's Moss; Cowburn, Chapel, *Barker.* Edale.

S. recurvum *Russ & Warnst. S. intermedium* Hoffm.

Bogs, swamps. Not uncommon.

First record, *The Naturalist*, 1886.

G1. Charlesworth Coombs; Kinderscout, *Nat^t.* Wildmoor Clough; about Lightwood Reservoirs; Cowburn, *Barker.* Mam Tor; Rushup Edge, Edale.

T3. Repton Rocks.

Var. *amblyphyllum* Warnst.

G1. Jarvis Clough, Ashopton; Combes Moss; Grinds Brook, Edale; William Clough; between Buxton and Whaley; Goyt's Bridge; Wildmoor Clough; foot of Bonsall Plane; south of Barren Clough, Bugsworth, *Barker.*

G2. Burbage Brook, *Barker.* Above Padley Wood, Grindleford; Dethick Common.

C. Brook near Smeekley Wood; south of Peacock Inn.

T1. Hulland Moss.

Var. *mucronatum* Warnst.

G1. Jarvis Clough; near old toll-bar, Fernilee; between Buxton and Whaley; Goyt's Bridge; Tunstead, Chapel, *Barker.* Edale; Back Tor, and Rushup Edge; Combes Moss; Roych Clough, and Cowburn, Chapel; William Clough; swamp by the old road from Ringinglow.

G2. Umberley Brook, Chatsworth; Burbage Brook; Bar Brook, Baslow; Harland Edge, Beeley.

S. parvifolium *Warnst.*

Moorland. Rare.

First record, *The Flora.*

G1. Stanage Edge.

S. balticum *Russ.*

Moorland. Rare.

First record, *The Flora.*

G1. Wildmoor Clough, *Barker* (the best *balticum* I have yet seen for Britain, *E. C. Horrell*).

G2. Burbage Brook, *Barker.*

S. molluscum *Ehrh.*

Wet moorland, heaths. Rare.

First record, *The Flora.*

G1. Side of old road, Lanehead Farm, Fernilee, *Barker.*

T1. Hulland Moss.

S. compactum *DC.*

Moors and heaths. Rather rare.

First record, *The Naturalist*, 1886.

G1. Kinderscout, *Nat*^{t}. (*Whitehead*). Old road at the top of Lanehead Farm, Fernilee, *Barker.* Ollerbrook, and under Back Tor, Edale; Rushup Edge.

Var. *squarrosum* Russ.

G1. Kinderscout, *Nat*^{t}. (*Whitehead and Holt.*) Grinds Brook, Edale.

T1. Hulland Moss.

Var. *subsquarrosum* Warnst.

G2. Dethick Common.

Var. *imbricatum* Warnst.

C. By brook near Smeekley Wood?

S. subsecundum *Limpr.* *S. subsecundum* Nees, p.p.

Moorland bogs. Rather rare.

First record, *The Naturalist*, 1886.

G1. Kinderscout; Charlesworth, *Nat*^{t}. Bagshaw, near Chapel; near Wythen Lache, on old road Whaley to Buxton; Jarvis Clough, *Barker.*

G2. Near "Surprise View," Hathersage, *Carr.*

Var. *viride* Boul.

G2. About Tunstead, Chapel, *Barker.*

S. inundatum *Warnst.* *S. subsecundum* Nees, var. *contortum* Schimp.

Pools or wet places on moorland. Rare.

First record, *The Naturalist*, 1886.

G1. Charlesworth Coombs; Kinderscout; near Woodhead, *Nat*[t]. Goyt's Moss; Combes Moss; Jarvis Clough; near Goyt's Bridge; Wildmoor Clough; near Lightwood Reservoirs, *Barker*. Jaggers Clough, above Hope; near Back Tor.

G2. Burbage Brook, *Barker*.

S. Gravetii *Warnst.*

Pools and wet places in bogs. Rare.

First record, *The Flora*.

G1. Wet place near Lightwood Reservoirs, Buxton; side of road near Wythen Lache; Cowburn; marsh behind Tunstead, Chapel; Lanehead Farm, near Ladder Hill, Fernilee, *Barker*.

G2. Burbage Brook, *Barker*.

S. rufescens *Warnst.* *S. subsecundum* v. *auriculatum* Schimp.

Moorland pools and bogs. Rather rare.

First record, *N.D.M.*, 1894.

G1. Kinderscout, *N.D.M.* Goyt's Moss; Wildmoor Clough, *Barker*. Back Tor, and Grinds Brook, Edale; near Blackdean Brook, Woodlands; Jarvis Clough, Ashopton.

G2. Harland Edge, Beeley.

S. crassicladum *Warnst.*

Moorland pools and bogs. Frequent.

First record, *The Flora*.

G1. Hollinworth Clough; between Buxton and Whaley; south of Barren Clough, Bugsworth, *Barker*. Kinderscout, above Hayfield; near Oxdale Lodge by old road from Ringinglow; Rushup Edge; Ollerbrook, Edale; Combes Moss; Roych Clough, and Cowburn, Chapel.

G2. Burbage Brook; Umberley Brook, Chatsworth.

S. turfaceum *Warnst.*

Boggy moorland. Rare.

First record, *Horrell*, *J.B.*, 1900, 426.

G1. Wild Moor Clough, north-west of Buxton, *Ley* (1869). Roych Clough, Chapel.

S. cymbifolium *Warnst.*

Moors, wet heaths and commons. Frequent.

First record, *Bloxam MS.*, 1833.

G1. Charlesworth Coombs; Kinderscout, *Nat*[t]. Combes Moss; Goyt's Moss; Hollinworth Clough; Jarvis Clough; Wildmoor Clough; foot of Bonsall Plane; south of Barren Clough, Bugsworth, *Barker*. Edale.

G2. Burbage Brook, *Barker*. Froggatt ; Dethick Common.
T1. Bog below Bradley Wood.
T3. Calke, *Bloxam* (*S. obtusifolium*). Repton Rocks, *N.H. Tutb.*

Forma *squarrosula*.
G1. Kinderscout, *Holt in N.D.M.* About Tunstead, Chapel ; Cowburn ; about Lightwood Reservoirs, Buxton, *Barker*.

Var. *glaucescens* Warnst.
G1. Combes Moss, *Barker*. William Clough ; Corbar Hill ; Axe Edge.
G2. Harland Edge, Beeley ; above Padley Wood, Grindleford.
T1. Hulland Moss ; Shirley Park.

Var. *pallescens* Warnst.
G1. Source of Redcar Brook, near Ringinglow ; Cowburn, Chapel.
G2. Burbage Brook ; Froggatt ; Harland Edge, Beeley.
C. By brook near Horsley Gate.
T1. Bog below Bradley Wood.
T3. Repton Rocks.

S. papillosum *Lindb.*

Moorland. Rather rare.
First record, *The Naturalist*, 1886.
G1. Kinderscout, *Nat*[t]. (*Whitehead & Holt*).
G2. Hipper Sick, East Moor.

Var. *normale* Warnst.
G1. Jaggers Clough, above Hope.

F. *conferta*.
G1. Axe Edge, *Barker*.

Var. *sublaeve* Limpr.
G1. Goyt's Moss ; Cowburn, *Barker*. Ollerbrook, Edale ; Hollinworth Clough, north of Hayfield ; Jaggers Clough ; west of Axe Edge ; Combes Moss.

II. ANDREAEACEÆ.

ANDREÆA *Ehrh.*

A. petrophila *Ehrh.* *A. rupestris* Hedw.

Mountain rocks. Very rare.
First record, *Garner*, 1844.
G1. Axe Edge, *Garner*. Charlesworth Coombs ; Kinderscout, *Natt.* Edale, *N.D.M.*

A. alpina *Smith.* *Lichenastrum* Dill.

Mountain rocks. Very rare.
First record, *Bot. Guide*, 1805.
G1. Axe Edge, *Bot. Guide.*

A. crassinervia *Bruch.*

Mountain rocks. Very rare.
First record, *N.D.M.*, 1894.
G1. Kinderscout, *West in N.D.M.* Near Woodhead, *N.D.M.*

III. TETRAPHIDACEÆ.

TETRAPHIS *Hedw.*

T. pellucida *Hedw.* *Mnium* L. *Georgia* Rabenh.

Rotten stumps, peaty and shady banks, woods. Frequent.
First records, *Purchas*, 1859; *N.H. Tutb.*, 1863.
L. Via Gellia, *Armitage.* Grin Woods, Buxton.
G1. Stirrup Wood; Whitebottom Wood, with fruit, *Natt.* (*Whitehead*). Goyt's Clough; Hollinworth Clough; Combes; Jarvis Clough; Fernilee; Chapel, *Barker.* Ollerbrook, and Back Tor, Edale.
G2. Near Rowsley, *Ley* (1880). Harper Lees, Hathersage; Bar Brook, Baslow; Froggatt; Curbar Edge; woods at Holloway.
T1. Abundant in Bradley Wood; Shirley Park; Brailsford Brook; Edlaston; Hulland Moss; by Black Brook, Mugginton; Quarndon Common; by Cubley Brook.
T3. Repton Rocks, *Purchas!* Sharp's Bottom, Hartshorn.

T. Browniana *Grey.* *Georgia Brownii* C.M. *Bryum Brownianum* Dicks. *Tetrodontium* Schwgr.

Gritstone rocks. Rare.
First record, *N.D.M.*, 1894.
G1. Kinderscout, *Holt in N.D.M.*
G2. Wooded gritstone rocks between Rowsley and Stanton, *Ley* (1880).

IV. POLYTRICHACEÆ.

CATHARINEA *Ehrh.*

C. undulata *Web. & Mohr.* *Bryum* L. *Atrichum* P. Beauv.

Woods, heaths, damp banks, Common.
First record, *Bloxam MS.*, 1833.
Generally distributed and abundant.

Var. *minor* W. & M.

G1. Old quarry, Shallcross Mill, Horwich End, Fernilee, *Barker*.

T1. Yeldersley Lane, near Bradley; near Tinker's Inn, Osmaston-by-Ashbourne.

C. crispa *James*. *Atrichum* Sull.

Banks of moorland streams. Rare.

First record, *The Flora*.

G1. Burbage Brook, male plants; beside a small marsh at the south end of the wood above Lanehead Farm, and near old toll-bar, Fernilee; Wildmoor Clough; near Wythen Lache, *Barker*.

OLIGOTRICHUM *DC.*

O. incurvum *Lindb.* *O. hercynicum* Lam.

Banks of moorland streams. Locally plentiful.

First record, *The Naturalist*, 1886.

G1. Kinderscout, *Nat*[t]. Edale, *N.D.M.* Near Goyt's Bridge; Brown Head, near Chapel-en-le-Frith, *Ley*. William Clough; near Reeve-edge Quarry, Axe Edge; Old Road, near Lanehead Farm, Fernilee; Wildmoor Clough, *Barker*.

POLYTRICHUM *Dill.*

P. nanum *Neck.* *P. subrotundum* Huds. *Pogonatum nanum* P. Beauv.

Heaths, banks. Rare.

First record, *Bloxam MS.*, 1833.

G1. Near Stirrup, with fruit, *Nat*[t]. (*Clough and Gordon*). Brook bank above Shalcross Mill, Horwich End, Fernilee, *Barker*.

T3. Calke, *Bloxam*. Linton, *N.H. Tutb.* Repton, *Painter*, *Nat*[t].

Var. *longisetum* Lindb.

T3. Knowl Hills, *Hb. Mason*.

P. aloides *Hedw.* *Pogonatum* P. Beauv.

Banks, old quarries. Frequent.

First record, *Bloxam MS.*, 1833.

L. Buxton, *Ley*.

G1. Fernilee; Chapel, *Barker*. Ollerbrook, and by R. Noe, Edale; Cowburn; R. Westend; Axe Edge.

G2. Harland Edge, above Beeley.

C. By Blake Brook, above Baslow.

T1. Edlaston Coppy; Bradley Wood; Shirley Park.

T3. Calke, *Bloxam*. Drakelow, *Hb. Mason*. Whitehollows, Ticknall; Repton Rocks, *Purchas*.

P. urnigerum *L.* *Pogonatum* P. Beauv.

Gravelly banks, dry slopes. Not uncommon.

First record, *Bloxam MS.*, 1833.

G1 Charlesworth Coombs; Kinderscout, *Nat^t.* Buxton; near Whaley Bridge; Chapel-en-le-Frith, *N.D.M.* In many places in Fernilee, *Barker.*

T1. Edlaston Coppy; Shirley Park; Bradley Wood, and by Bradley Brook.

T3. Stone Pit, Calke, *Bloxam.* Repton Rocks, *Hb. Mason!*

P. alpinum *L.* *Pogonatum* Roehl.

Mountain slopes, moors, commons. Rare.

First record, *The Naturalist*, 1886.

G1. Kinderscout, with fruit, *Nat^t.* (*Clough*). By brook above Shalcross Mill, Horwich End, Fernilee; roadside at Eccles House, Chapel, *Barker.*

P. piliferum *Schreb.*

Dry banks, heaths, woods. Common.

First record, *Bloxam MS.*, 1833.

G1. Kinderscout; Charlesworth Coombs, *Nat^t.* Rowarth; Stenior Clough, *N.D.M.* Whatford Wood, Buxton, *Ley.* Fernilee; Chapel; Little Hayfield, *Barker.* Reeve-edge Quarry, Axe Edge; Bamford; Hathersage; by R. Noe, Edale.

G2. Whatstandwell, *Armitage.* Near Harper Lees, Hathersage; Mag Clough, Grindleford; below Cratcliffe Tor, Birchover.

T1. Mickleover, *Bindley.* By Bradley Wood; Shirley Park; between Mercaston and Cross o' th' Hands; Sudbury.

T3. Calke, *Bloxam.* Repton Rocks, *Hb. Mason.* Foremark, *N.H. Tutb.*

P. juniperinum *Willd.*

Dry places, heaths, woods. Common.

First record, *Bloxam MS.*, 1833.

L. Above Dowel Dale, Hindlow.

G1. Charlesworth Coombs, *Nat^t.* (*Whitehead*). Chapel, Fernilee; Hogshaw Reservoir, *Barker.*

G2. Darley Moor, Matlock.

T1. Findern, *Painter*, *Nat^t.* By Black Brook, near Mugginton; Shirley Park.

T2. Quarry close to The Flourish, near Dale.

T3. Calke, *Bloxam.* Foremark, and on walls near Repton Rocks, *N.H. Tutb.* Ticknall, *Painter*, *Nat^t.*

P. strictum *Banks.*

Mountain rocks, moorland. Rare.

First record, *The Naturalist*, 1886.

G1. Kinderscout, *Nat^t.* (*Whitehead & Holt*).

P. gracile *Dicks.*

By mountain streams, moorland. Rare.

First record, *The Naturalist*, 1886.

G1. Stirrup Wood, with fruit, *Nat^t.* Charlesworth; Ernocroft Wood; Mellor, *N.D.M.* Goyt's Clough, above Errwood; brook above Shalcross Mill; foot of Bonsall Plane; bank of R. Goyt near Madscar; Wildmoor Clough; roadside at Eccles House; old road west of Spire Hollins, Chapel; Axe Edge, *Barker.*

G2. Cratcliffe Tor, *Barker.*

P. formosum *Hedw.* *P. attenuatum* Menz.

Dry paths in woods. Common.

First record, *N.H. Tutb.*, 1863.

L. Monsal Dale, *N.D.M.*

G1. Below the embankment of Combes Reservoir; near old toll-bar, and by R. Goyt, near Madscar, Fernilee; Wildmoor Clough; old road, Lanehead Farm to Wythen Lache; foot of Bonsall Plane, *Barker.*

G2. Cratcliffe Wood and Tor, Birchover; Dethick Common.

T1. Bradley Wood; Shirley Park; Stydd; Breward's Car, Mugginton; near Cross o' th' Hands, Hulland Ward.

T3. Repton Rocks, *Hb. Mason.* "Dark Walk," Foremark Hall, *N.H. Tutb.* Anchor Church, *Bindley.*

P. commune *L.*

Bogs, swamps. Common.

First record, *Ray Syn.*, 1690; in paludosis spongioso et putrido solo praesertim in montosis Derbiensibus! *Great Golden Maidenhair* or *Goldielocks.*

G1. Abundant in the Moorlands, *N.D.M.* Buxton, *Bindley.* Chapel; Fernilee, *Barker.* Under Stanage Edge, Bamford; Combes Moss.

G2. Harper Lees, Hathersage.

C. Totley Moss.

P. Scarcliffe Park.

T1. Edlaston Coppy; Shirley.

T3. Repton Rocks, *N.H. Tutb.* Calke, *Bloxam.*

V. BUXBAUMIACEÆ.

DIPHYSCIUM *Mohr.*

D. foliosum *Mohr.* *Webera sessilis* Lindb.

Damp banks and rocks, edges of paths, sub-alpine. Rare.

First record, *Ley MS.*, 1898.

G1. Goyt's Lane, Buxton, *Ley.*

VI. DICRANACEÆ.

ARCHIDIUM *Brid.*

A. alternifolium *Schimp.*

Damp ground, fields. Very rare.

First record, *The Flora.*

G1. Green Lane, Chapel-en-le-Frith, *Barker.*

PLEURIDIUM *Brid.*

P. axillare *Lindb.* *P. nitidum* Hedw.

Bare soil, pondsides. Frequent.

First record, *The Naturalist*, 1886.

L. Near Cressbrook; Doveholes, Dovedale, *Barker.*

G1. Claybanks, Charlesworth; Chapel-en-le-Frith, *N.D.M.* Stirrup Wood, *Nat^t.* Combes Reservoir; Combes; Fernilee, *Barker.*

T1. Mickleover, *Painter*, *Nat^t.* Field near Yeldersley Rough; by pond and near pathway between Shirley and Ednaston.

P. subulatum *Rabenh.* *Phascum* Huds.

Banks and heaths. Common.

First record, *The Naturalist*, 1886.

L. Buxton, *Ley* (1870). Lover's Leap; Duke's Drive; above Dowel Dale, Hindlow.

G1. Mellor, *Nat^t.* South side of Combes Reservoir, male plant, *Barker.* Near Clough Farm, Edale.

C. Pondside, Dale Moor.

T1. Mickleover, *Painter*, *Nat^t.* By Bradley Brook; Shirley; Brailsford; near Cross o' th' Hands; Hulland Moss.

T2. Marshy flats north of Sandiacre.

T3. Gresley, *Hb. Mason.* Milton, *Painter*, *Nat^t.*

P. alternifolium *Rabenh.* *Phascum* Kaulf.

Damp soil, old quarries. Not common.

First record, *N.H.*, *Tutb.*, 1863.

G1. Combes, and by brook below the Reservoir; Srigley's Quarry, Chapel; Ritchie's Field, Overlea, *Barker.* Edale, field path near Ollerbrook.

P. Whitwell Wood.

T1. Mickleover, *Painter*, *Nat^t.* Littleover, *Bindley.*

T3. Winshill, *Hb. Mason.* Ingleby, *Painter*, *Nat^t.*

DITRICHUM *Timm.*

D. tenuifolium *Lindb.* *Trichostomum* Schrad. *Trichodon cylindricus* Schimp.

Damp sandy ground. Rare.

First record, *Wilson*, *Bry. Brit.* 1855.

L. Matlock, *Wilson.*

G1. Brown Head, near Chapel-en-le-Frith, *Ley* (1881).

D. homomallum *Hampe.* *Leptotrichum* Schimp.

Sandy banks, rocks, quarries. Common.

First record, *Purchas*, 1862.

G1. Stirrup Wood; Charlesworth Coombs; Kinderscout, *Natt.* Castleton, *Holt in N.D.M.* Wild Moor Clough, near Buxton, *Ley* (1874). Between Lanehead Farm and Wythen Lache; Goyt's Clough; bank of R. Goyt, near Taxal, *Barker.* Near Edale Head; Oyster Clough, near Snake Inn; Hogshaw Quarry, near Buxton.

G2. Near Higgar Tor, Hathersage; Burbage Brook.

T1. Gravel pit, Edlaston Coppy; Bradley Wood; sand pit, Cross o' th' Hands, Hulland Ward.

T3. Repton Rocks, *Purchas.*

D. flexicaule *Hampe.* *Didymodon* Schleich. *Leptotrichum* Schimp.

Limestone soil and rocks. Frequent.

First record, *Wilson Bry. Brit.*, 1855.

L. Common on limestone walls, *N.D.M.* Buxton, *Ley.* Bradwell; Cales Dale; Horseshoe Dale, *Barker.* Dovedale, *Purchas.* Near Taddington; Lathkil Dale; Conies Dale, Peak Forest.

G1. Fernilee, *Barker.* Side of Congleton Road, west of Axe Edge.

P. Markland Grips, Clowne.

Var. *densum* Braithwaite.

L. Chee Dale; Miller's Dale, *West in Braithw.* Lathkil Dale, *N.D.M.* Monk's Dale, fine and characteristic; Deep Dale, near Buxton, *Ley.* Bradwell; Cales and Horseshoe Dales; Dovedale, *Barker.* Great Rocks Dale; by Diamond and Harper Hills; Via Gellia; Brassington Rocks.

P. Cresswell Crags.

SWARTZIA *Ehrh.*

S. montana *Lindb.* *Distichium capillaceum* B. & S.

Mountain rocks. Rather rare.

First record, *Braithwaite*, 1882.

L. Miller's Dale, *Holt in Braithw.* Ashwood Dale, *Holt in N.D.M.* Grin Wood, Buxton (f. compacta), *Barker.* Middleton Dale.

G2. Rocks at "The Surprise," Hathersage, *Barker.*

T1. Gunn Hills, Mugginton, *Painter*, *Natt.* (?)

SELIGERIA *B. & S.*

S. Doniana *C.M.* *Gymnostomum* Sm. *Anodus* B. & S.

Shady limestone rocks. Not uncommon.

First record, *Manch. Crypt. Soc.*, 1881.

L. Castleton, *Whitehead* (1868) *in Braithw.* Ashwood Dale; Ravensdale; Monsal Dale, *Holt in N.D.M.* Miller's Dale, *Manch. Crypt. Soc.* Lathkil Dale, *Ley.* Cales and Horseshoe Dales; Lover's Leap, *Barker.* Great Shacklow Wood, Ashford; Back Dale, near Hindlow.

S. pusilla *B. & S.* *Afzelia* Ehrh.

Shady limestone rocks. Frequent.

First record, *Hook. Br. Fl.*, 1833.

L. Buxton, *Wilson* (1831) *in Br. Fl.* Youlgreave, *Bowman in Eng. Fl.* Castleton, *Whitehead* (1880) *in Braithw.* Matlock, *Holmes in Braithw.* Lover's Leap; Monk's Dale; Lathkil Dale; Dovedale, *Ley.* Cales Dale, *Barker.* Miller's Dale, *Manch. Crypt. Soc.* Great Rocks Dale; upper part of Ravensdale, near Wardlow Mires; Monsal Dale; Dimminsdale, near Ashford; Hartle Dale, Bradwell; Conies Dale, Peak Forest; Dowel Dale, near Hindlow.

S. acutifolia *Lindb.*, v. longiseta *Lindb.*

Shady limestone rocks. Not uncommon.

First record, *J.B.*, 1870.

L. Lover's Leap, *Wilson* (1831) *in J.B.* Ashwood Dale; near Wormhill, Chee Dale; Tideswell Dale, *Whitehead in Braithw.* Ravensdale; Taddington Dale, *Holt in N.D.M.* Litton Dale, *Ley.* Monsal Dale; Horseshoe Dale, and Deep Dale, near Buxton; north side of Diamond Hill; Monk's Dale; Conies Dale, Peak Forest; between Wensley Dale and Snitterton; Dovedale.

S. tristicha *B. & S.* *Weissia* Brid. *S. trifaria* Lindb.

Limestone rocks. Very rare.

First records, *Schimp. Syn. ed.* ii. 856, 1876; *Manch. Crypt. Soc.*, 1880.

L. Miller's Dale, *Manch. Crypt. Soc.* 1880 (*Cunliffe*). Castleton, *Rogers and Cunliffe in N.D.M.* Conies Dale, Peak Forest, *Barker.* Lower rocks in the wooded part of Monk's Dale.

S. calcarea *B. & S.* *Bryum* Dicks.

Limestone quarries. Very rare.

First record, *Braithwaite*, 1887.

L. Taddington Dale, *Holt* (1882) *in Braithw.* On travertine, Via Gellia, *Ley.*

S. recurvata *B. & S.* *Grimmia* Hedw. *S. setacea* Lindb.

On damp rocks, preferring gritstone. Rather rare.

First record, *Braithwaite*, 1882.

L. Monsal Dale, *Whitehead* (1881) *in Braithw.*

G1. Kinderscout, *Nat*^{t}. Birchin and Oyster Cloughs, near the Snake Inn; under Back Tor, Edale; roadside rocks above Slackhall, Chapel.

G2. Near Baslow.

P. On blocks of stone near the middle of Whitwell Wood.

BRACHYODUS *Fürnr.*

B. trichodes *Fürnr.* *Gymnostomum* W. & M. *Brachydontium* Fürnr., Braithw.

On damp grit rocks and walls. Rare.

First record, *The Naturalist*, 1887.

G1. Near Buxton, *Wilson* (1831) *in Nat*^{t}. It grows on a damp wall and adjacent rocks at the top of Hogshaw Lane.

CERATODON *Brid.*

C. purpureus *Brid.* *Mnium* L.

On earth, waste places, banks, walls, &c. Common everywhere.

First record, *Bloxam MS.*, 1833.

CYNODONTIUM *Schimp.*

C. Bruntoni *B. & S.* *Dicranum* Sm. *Oncophorus* Lindb.

On mountain rocks. Rare.

First record, *Manch. Crypt. Soc.*, 1879.

L. Near Matlock, *Manch. Crypt. Soc.* (*Cash*).

G2. Rowter Rocks, *Wilson* (1831) *in Nat*^{t}. 1887.

DICHODONTIUM *Schimp.*

D. pellucidum *Schimp.* *Bryum* L.

Wet sandy banks and rocks. Not uncommon.

First record, *N.D.M.*, 1894.

L. Lathkil Dale; Youlgreave, *Barker.* Buxton, with fruit, *Ley* (1874).

G1. Wet rocks, Charlesworth; Kinderscout; Chapel-en-le-Frith, *N.D.M.* Grinds Brook, Edale; Fernilee; Combes; Goyt's Clough; William Clough, *Barker.* Fairbrook, Woodlands; brookside, south of Chapel Reservoir; under Back Tor.

G2. Bar Brook, Baslow; Harper Lees, Hathersage; by R. Derwent, between Matlock and Darley.

Var. *fagimontanum* Schimp.

L. Ashwood Dale; Youlgreave, *Barker.*

D. flavescens *Lindb.* *Bryum* Dicks.

Wet sandy places, by streams. Rather rare.

First record, *Garner*, 1844.

L. Matlock, *Wilson* (1834) *in Braithw.* Castleton, *N.D.M.* Wet sandy places, Dovedale, *Garner.*

G1. Stirrup, *Fl. Ashton.* Above Combes Reservoir, near the railway, Chapel, *Barker.*

G2. Rowsley, *Wilson in Braithw.* Burbage Brook, *Barker.*

DICRANELLA *Schimp.*

D. heteromalla *Schimp.* *Bryum* Dill.

Banks, hedges, heaths, woods. Common.

First record, *Bloxam MS.*, 1833.

L. Horseshoe Dale, *Barker.* Conies Dale, Peak Forest; Kniveton Brook.

G1. Common in the district.

G2. Rowsley, *Ley* (1876). Hall Dale; Harland Edge, Beeley.

P. Markland Grips; Scarcliffe Park.

T1. Mickleover; Etwall; Radbourn, *Bindley.* Wyaston; Bradley; Shirley, &c.

T3. Calke, *Bloxam.* Anchor Church, *Purchas.* Egginton, *Bindley.*

D. cerviculata *Schimp.* *Dicranum* Hedw.

Banks of mountain streams, moorland. Frequent.

First record, *N.H. Tutb.*, 1863.

G1. Charlesworth Coombs; Kinderscout, *Natt.* Hollinworth Clough; Fernilee, near R. Goyt; Ladder Hill, Chapel; Goyt's Moss; Combes Moss, east side, *Barker.* Above Hayfield; Wildboar Clough, Crowden; Ashop and Nether Yates Cloughs; Stanage Edge.

G2. Umberley Brook, near Chatsworth.

T3. Repton Rocks, *N.H. Tutb.*

D. crispa *Schimp.* *Dicranum* Ehrh.

Peaty ditchsides, damp parts of quarries. Rare.

First record, *The Flora.*

G1. Hollinworth Clough; near Spire Hollins, Chapel-en-le-Frith, *Barker.* Gritstone quarry by Hogshaw Reservoir, Buxton.

G2. Burbage Brook, *Barker.*

T1. Peaty bank of ditch near Shirley Park (*named by Rev. C. H. Binstead*).

D. rufescens *Schimp.* *Bryum* Dicks. *Anisothecium* Lindb.

Banks, sides of brooks. Not infrequent.

First record, *The Naturalist*, 1886.

G1. Stirrup Wood; Hayfield, *Natt.* Claybanks, Charlesworth; Mellor; Edale; Combes Moss, *N.D.M.* Near Combes Reservoir; Hollinworth Clough; Ladder Hill; Srigley's Quarry; Quarry by Hogshaw Reservoir, Buxton; brook above Wash, Chapel, *Barker.*

T1. Roadside, Sturston, near Ashbourne.

D. varia *Schimp.* *Dicranum* Hedw. *Anisothecium rubrum* Lindb.

On damp soil, in fields, woods, &c. Frequent.

First records, *Purchas*, 1859; *N.H. Tutb.*, 1863.

L. Youlgreave, *Ley* (1876). Bradwell; Back Dale, near Hindlow; Duke's Drive, Buxton, *Barker.* Ashwood Dale; Conies Dale, Peak Forest; Great Shacklow Wood, near Ashford; bank of Kniveton Brook.

G1. Frequent on clay banks, *N.D.M.* Cowburn, near Chapel; Fernilee, *Barker.* Grinds Brook, and by R. Noe, where it crosses the road, Edale.

G2. Grindleford; Cromford; Bar Brook, near Baslow; Wakebridge, Crich.

C. Calow Green, near Chesterfield.

P. Quarry near Whitwell Station; Cresswell Crags; Markland Grips, Clowne.

T1. Thurvaston, near Marston Montgomery; on mudheaps, Wyaston; Sturston, near Ashbourne; Snelston lime quarries; bank of Brailsford Brook.

T3. Pistern Hill, *Purchas.* Brizlincote, *N.H. Tutb.*

Var. *tenella* Schimp.

L. By rivulet running into Great Rocks Dale.

Var. *callistoma* Schimp.

L. Ashwood Dale, *Holt in N.D.M.* Monyash.

D. Schreberi *Schimp.* *Dicranum* Sw. *Anisothecium crispum* Lindb.

Brooksides, woods. Rather rare.

First record, *Purchas*, 1860.

L. Lathkil Dale; near Taddington, *Barker*.

G1. Near Combes Reservoir, Chapel; bank of R. Goyt, Fernilee, near Taxal, *Barker*.

T1. By the brook in Shirley Park.

T3. Melbourne Common, *Purchas*.

Var. *elata* Schimp. *Nowell* (1860) *in Braithw.*

L. Conies Dale, Peak Forest.

G1. Stirrup Wood, Charlesworth, with fruit, *Natt.* (*Whitehead*).

T1. By Brailsford Brook, below Ednaston.

D. squarrosa *Schimp.* *Dicranum* Schrad. *Anisothecium* Lindb.

Mountain streams and springs, wet places on moorland. Not uncommon.

First record, *The Naturalist*, 1886.

G1. Charlesworth Coombs; Kinderscout, with fruit, *Nat*^{t}. Edale Head, *Ley* (1876). Buxton, *Bindley*. Moor near "Surprise View," Hathersage, *Carr*. Grinds Brook, Edale; Fernilee, *Barker*. Combes Moss.

BLINDIA *B. & S.*

B. acuta *B. & S.*

On mountain rocks. Rare.

First record, *The Naturalist*, 1886.

G1. Kinderscout, *Nat*^{t}. (*Holt and Whitehead*). Edale, *Holt in N.D.M.*

DICRANOWEISIA *Lindb.*

D. cirrhata *Lindb.* *Weissia* Hedw. *Mnium* L.

Tree trunks, posts, sometimes on walls or rocks. Frequent.

First record, *Bloxam MS.*, 1833.

L. Buxton, *Ley* (1869)! Bradwell; Cressbrook; Chee Dale; Fernilee; near Hindlow; Dovedale, *Barker*. Via Gellia.

G1. Kinderscout; Charlesworth; Mellor, *Nat*^{t}. Whaley Bridge, *N.D.M.* On trees, rocks, and walls, fairly common in Chapel and Fernilee, *Barker*. Ollerbrook Farm, Edale; under Cuckoo Tors, near Hogshaw Reservoir.

G2. Between Little Eaton and Brackley Gate; Kirk Ireton; Grindleford.

C. Dale Abbey, *Bindley*.

T1. Mickleover; Findern, *Painter*, *Nat*^{t}. Mugginton, *Bindley*. Shirley; Ednaston; Bradley; Hollington, Longford; Brailsford Brook; Clifton; Trusley; Kirk Langley.

T3. Calke, *Bloxam*. Repton, *Painter*, *Nat*^{t}.

CAMPYLOPUS *Brid.*

C. flexuosus *Brid.* *Dicranum* Hedw.

Woods, banks, moors. Frequent.

First records, *Eng. Bot.*, 1809 (*Dicranum flagellare*); *Bloxam MS.*, 1833.

G1. Charlesworth Coombs; Kinderscout, *Nat^t.* Wood above Lanehead Farm, and near Ladder Hill, Fernilee; on a stone wall in Edale, and north side of Eccles Pike; Hollinworth Clough; near Wildmoor Clough, Fernilee; Combes Moss, *Barker.* Houndkirk Moor, near Ringinglow.

G2. Cromford Moor, *J.B.* 1874, 225. Near Higgar Tor, Hathersage; Littlemoor Wood, near Dethick.

P. Cresswell Crags; Markland Grips, Clowne.

T1. Bradley Wood; Shirley Park.

T3. Calke, *Bloxam.* Repton Rocks, *Hb. Mason.*

Var. *uliginosus* Ren.

G1. Jaggers Clough, above Hope.

Var. *paradoxus* Husn. *C. paradoxus* Wils.

G1. Summit of Kinderscout, *Whitehead* (1881) *in Braithw.* By Reeve-edge Quarry, Axe Edge; Grinds Brook, Edale; Cowburn, *Barker.* Chinley Hills; Hollinworth Clough.

G2. Cratcliff Tor, *Barker.* Gardom's Edge, above Baslow.

C. pyriformis *Brid.* *Dicranum* Schultz. *C. turfaceus* B. & S.

Moorlands, heaths. Frequent.

First record, *The Naturalist*, 1886.

G1. Kinderscout, *Nat^t.* (*Holt*). Goyt's Moss; Hollinworth Clough; wood above Lanehead Farm, Fernilee; Cowburn, *Barker.* Above Hogshaw Reservoir, Buxton; Combes Moss; near Reeve-edge Quarry, Axe Edge.

G2. Mag Clough, Grindleford.

T1. By Bradley Brook, near the Hollies Farm; Quarndon Common; Mercaston; Edlaston Coppy; Shirley Park; Hulland Moss; by Black Brook, and in Breward's Car, Mugginton.

T3. North side of Robin Wood, near Stanton-by-Bridge; Repton Rocks.

C. fragilis *B. & S.* *Bryum* Dicks.

Rocky moorland, banks, quarries, woods. Not uncommon.

First record, *The Naturalist*, 1886.

L. Chee Tor; Miller's Dale; Matlock, *N.D.M.* Dovedale, *Painter*, *Nat^t.* Near Youlgreave, *Barker.* Great Rocks Dale.

G1. Kinderscout, *Whitehead* (1881) *in Braithw.* Mellor; Charlesworth Coombs, *Nat^t.* Quarry at old toll-bar, and railway bank near Cadster, Fernilee; near Buxton; Green Lane, and Combes Reservoir, and N.E. of Ladder Hill, Chapel; Combes Moss, *Barker.*

G2. Harper Lees, near Hathersage; Burbage Brook, *Barker.*

T1. Bradley Wood; by Brailsford Brook.

C. setifolius *Wils.*

Rocks in dales and on moors. Rare.

First record, *Braithwaite*, 1887.

L. Monk's Dale, with fruit, *Barker in Braithw.*

C. atrovirens *De Not.* *C. longipilus* Brid.

Mountain rocks, boggy moorland. Rare.

First record, *The Naturalist*, 1886.

G1. Kinderscout, *Nat*^{t}. (*Gordon*).

DICRANODONTIUM *B. & S.*

D. longirostre *B. & S.* *Didymodon denudatus* Lindb.

Banks, rotten wood on mountains. Rare.

First record, *The Naturalist*, 1886.

G1. Kinderscout, *Natt.* Stirrup Wood, *Whitehead* (1860) *in Braithw.* Whitebottom Wood, Charlesworth, *N.D.M.* Lightwood Reservoirs and streamlet above, near Buxton (*V. alpinum* Schp.), *Barker.*

DICRANUM *Hedw.*

D. Bonjeani *De Not.* *D. palustre* B. & S.

Marshes, bogs, wet heaths. Frequent.

First record, *Purchas*, 1862.

L. Monsal Dale; between Taddington and Miller's Dale; Duke's Drive, near Buxton, *Barker.*

G1. Near Errwood, Buxton, *Ley* (1874). Charlesworth Coombs; Kinderscout, *Natt.* Near Cadster, and in a marshy place between Ladder Hill and Wythen Lache, near the boundary of Fernilee and Chapel; about Lightwood Reservoir, *Barker.*

T1. Hulland Moss.

T3. Repton Rocks, *Purchas.*

D. scoparium *Hedw.* *Bryum* L.

Woods, heaths, banks, roofs. Common.

First record, *Bloxam MS.*, 1833.

L. Dovedale, *Purchas.* Castleton, *Carr.* Cales Dale; Horseshoe and Back Dales, *Barker.* Bradwell; Agnes Meadow, near Kniveton.

G1. Kinderscout; Charlesworth Coombs, *Natt.* Near Buxton, with fruit, *N.D.M.* Chapel; Fernilee, *Barker.* Lose Hill; Edale.

G2. Cromford, *Hb. Mason.* Burbage Brook; Harper Lees, near Hathersage.

P. Belph Moor, Whitwell; Cresswell Crags; Scarcliffe Park.

T1. Mickleover; Mugginton, *Bindley.* Edlaston Coppy; Shirley.

T3. Calke, *Bloxam.*

Var. *orthophyllum* Brid.

G1. Carmeadow, near Hayfield, *Holt* (1882) *in N.D.M.* Hollinworth Clough; Jarvis Clough; Fernilee, *Barker.*

G2. Burbage Brook, *Barker.* On a roof by Cratcliffe Tor, near Birchover.

Var. *paludosum* Schimp.

G1. Near Kinderscout, *Holt* (1882) *in Braithw.*

D. majus *Turn.*

Mountain woods. Not uncommon.

First record, *The Naturalist*, 1886.

L. Ashwood Dale, *Ley* (1870). Dovedale, *Bindley.*

G1. Frequent, Fernilee, *N.D.M.* Wildmoor Clough; Goyt Valley, near Taxal; foot of Bonsall Plane; near old toll-bar, Fernilee, *Barker.* Charlesworth Coombs; Kinderscout, *Nat^t.* Grinds Brook, Edale.

T1. Mickleover, *Painter*, *Nat^t.*

D. fuscescens *Turn.*

Mountains, on and among rocks. Not uncommon.

First record, *The Naturalist*, 1886.

G1. Charlesworth Coombs, with fruit; Kinderscout, *Natt.* Near Buxton; Combes Moss; Grinds Brook, Edale, *Barker.* Grinah Stones, Bleaklow Hill; Stanage Edge.

G2. Burbage Brook, *Barker.* Under Birchen Edge, above Baslow; Curbar Edge.

Var. *falcifolium* Braithw.

G1. Kinderscout; Charlesworth Coombs, *Scholefield in N.D.M.* Jarvis Clough, Ashopton, *Barker.*

G2. Burbage Brook, *Barker.*

LEUCOBRYUM *Hampe.*

L. glaucum *Schimp.*

Damp heaths, moors, and woods. Frequent.

First record, *The Naturalist*, 1886.

L. Back Dale, near Hindlow; Deep Dale, *Barker.*

G1. Kinderscout; Charlesworth Coombs, *Nat^t.* Near Glossop, *N.D.M.* Near Buxton; Combes Moss, with fruit, *Ley* (1886). Hathersage, with fruit.

G2. Cromford Moor, *Armitage.* Whatstandwell, *Painter Nat^t.* Froggatt, with fruit; Birchin Edge, Baslow.

T1. Shirley Park; Hulland Moss.

VII. FISSIDENTACEÆ.

FISSIDENS *Hedw.*

F. exilis *Hedw.* *F. Bloxami* Wils.

Clay banks, woods. Rather rare.

First record, *The Naturalist*, 1886.

G1. Clay banks, Charlesworth, *N.D.M.* Near Stirrup Wood, *Natt.*

T1. Mickleover, *Painter*, *Nat^t.* By Bradley Brook; Lower Thurvaston; Withy Pits, and other places in Shirley; field by the marsh in Yeldersley Lane.

F. viridulus *Wahl. Dicranum* Sw.

Shady banks, and among rocks. Frequent.

First record, *Purchas*, 1859-62.

L. Monk's Dale, *Ley* (1887). Dimminsdale, Ashford; Hartle Dale, Bradwell; Monsal Dale; Via Gellia; Dovedale; Brassington Rocks; between Wensley Dale and Snitterton.

G1. Banks at Mellor, *Scholefield in N.D.M.* Under Back Tor, Edale.

G2. Ecclesbourne, *Holmes in Braithw.* Harper Lees, Hathersage.

P. Cresswell Crags; between Scarcliffe and Houghton.

T1. Bradley; between Edlaston and Brailsford; Lower Thurvaston.

T3. Calke, *Purchas.*

Var. *Lylei* Wils.

L. Hartle Dale, Bradwell.

P. Cresswell Crags?

F. pusillus *Wils.*

In crevices of rocks. Somewhat rare.

First record, *Manch. Crypt. Soc.*, 1879.

L. Lover's Leap, Buxton, *Braithwaite.* Chee Dale, *N.D.M.* Monk's Dale; Ashwood Dale, *Barker, and in N.D.M.* Lathkil Dale, *Ley.* Cressbrook; near Wardlow Mires; Great Rocks Dale; Dovedale.

G1. Stirrup Wood, *Nat*^{t}. Under Back Tor, Edale; Fairbrook, Woodlands.

G2. Bar Brook, Baslow.

P. Scarcliffe Park; Markland Grips, Clowne.

F. minutulus *Sull. F. pusillus* v. *madidus* Spruce.

Mountain rocks and woods. Rare.

First record, *Braithwaite*, 1881.

G1. Stirrup Wood, *Gordon Ashton and Neild* (1871) *in Braithw.*

F. incurvus *Starke.*

Banks. Rare.

First record, *The Naturalist*, 1886.

G1. Clay banks, Charlesworth; near Whaley Bridge, *N.D.M.* Near Stirrup Wood, *Nat*^{t}.

T3. Roadside bank between Shirley and Rodsley; Yeldersley Fields.

F. tamarindifolius *Wils. F. incurvus* v. *tamarindifolius* Braithw.

Banks. Rare.

First record, *Braithwaite*, 1881.

G1. Charlesworth, *Whitehead in Braithw.*

F. bryoides *Hedw. Hypnum* L.

Clay banks. Common.

First record, *Bloxam MS.*, 1833.

L. Dovedale; Duke's Drive, *Barker.* Near Grin Wood, Buxton, *Ley* (1870).

G1. Stirrup Wood; Whitebottom Wood, *N.D.M.* Chapel; Fernilee, *Barker.* Clough Farm, Edale.

G2. Bar Brook, Baslow.

P. Scarcliffe Park; Markland Grips; Cresswell Crags; Pleasley Park.

T1. Mickleover; Quarndon, *Painter, Natt.* Radbourn, *Bindley.* Edlaston Coppy; Slack Lane, Brailsford; Hollington, Longford; Dalbury Lees; Shirley.

T2. By pool, near Trent Station.

T3. Calke, *Bloxam.* Drakelow, *Hb. Mason.* Repton, *Painter, Natt.*

F. crassipes *Wils.* *F. viridulus* v. *fontanus* Braithw.

In streams, especially on limestone. Rare.

First record, *Braithwaite*, 1881.

L. Monsal Dale; Ravensdale, *Holt* (1883) *in Braithw.* Via Gellia, *Ley* (1887). Dovedale, *Barker.*

F. osmundoides *Hedw.* *Dicranum* Sw.

Wet mountain rocks and slopes. Rare.

First record, *The Naturalist*, 1886.

G1. Abundantly in fruit on Kinderscout, *Natt.* Edale, *Holt in N.D.M.* Edale Head, *Ley* (1881). Hollinworth Clough, *Barker.*

F. adiantoides *Hedw.* *Hypnum* L.

Damp mountain rocks, bogs. Not uncommon.

First record, *Garner*, 1844.

L. Plentiful on limestone rocks, *Garner.* Bradwell; Cressbrook; Cales Dale; Horseshoe and Back Dales; near Taddington, *Barker.* Conies Dale, Peak Forest; Lathkil Dale, a dwarf form; Dovedale.

G1. Stirrup Wood; Kinderscout, *Natt.* Fernilee, *N.D.M.* Grinds Brook, Edale; Birchin Clough, near the Snake Inn.

G2. Bechagg Wood, Froggatt.

P. Pleasley Park; Markland Grips; Cresswell Crags.

T1. Hulland Moss.

F. decipiens *De Not.* *F. crispatus* Wils.

Wet mountain rocks, spongy ground. Frequent.

First record, *N.D.M.*, 1894.

L. Frequent in Ashwood and Miller's Dales, *N.D.M.* Conies Dale; Cales Dale; Horseshoe Dale; Dovedale, *Barker.* Deep Dale; Ravensdale; Lathkil Dale, *Ley.* Hartle Dale, Bradwell; Kirk Dale, Ashford; Via Gellia.

G1. Frequent in Stenior Clough, *N.D.M.* Grinds Brook, Edale.

P. Scarcliffe Park.

F. taxifolius *Hedw.* *Hypnum* L.

Banks, woods, by streams. Common.

First record, *Bloxam MS.*, 1833.

L. Cales and Lathkil Dales; Back Dale, near Hindlow, *Barker.* Longstone Edge, near Ashford; Bradwell; Dovedale; by the Henmoor Brook.

G1. Claybanks, Charlesworth; near Whaley Bridge, *N.D.M.* Bank of R. Goyt, near Taxal, and elsewhere in Fernilee, *Barker*. Roych Clough, Chapel.

G2. Near Kirk Ireton.

C. Sutton Spring Wood, near Chesterfield.

P. Cresswell Crags.

T1. Mickleover, *Painter*, *Nat*[t]. Littleover, *Bindley*. Shirley; Mercaston; Bradley Wood; copse east of Alkmonton; Edlaston Coppy; Snelston lime quarries.

T2. Ditch bank by canal, near Derby.

T3. Calke, *Bloxam*. Milton, *Painter*, *Natt*.

VIII. GRIMMIACEÆ.

GRIMMIA *Ehrh.*

G. apocarpa *Ehrh.* *Bryum* L.

Rocks, walls, &c. Common.

First record, *Bloxam MS.*, 1833.

L. Walls, Ashwood Dale, *N.D.M.* Dovedale, *Purchas*. Bradwell; Lathkil Dale; Horseshoe Dale, *Barker*. Matlock Bath, *Painter*, *Nat*[t]. Ashford; Longstone Edge; Brook Bottom, Tideswell; Cromford; Agnes Meadow, Kniveton.

G1. Kinderscout; Ernocroft Wood, near Ludworth, *Nat*[t]. Whaley Bridge, *N.D.M.* Chapel; Fernilee, *Barker*. Ollerbrook Farm, Edale.

P. Cresswell Crags; Pleasley Park; Markland Grips.

T1. Wyaston; Snelston lime quarries; Shirley Park.

T3. Calke, *Bloxam*.

Var. *alpicola* (Sw.). *Braithwaite*, 1888.

L. Monsal Dale, *Holt* (1886) *in Braithw.*

Var. *gracilis* W. & M.

L. Ashwood Dale, *Barker*.

Var. *pumila* Schimp. *Braithwaite*, 1888.

L. Miller's Dale, *Holt* (1879) *in Braithw.*

G. pulvinata *Sm.* *Bryum* L.

Walls, rocks, &c. Common.

First record, *Bloxam MS.*, 1833.

L. Cromford, *Hb. Mason*. Dovedale, *Purchas*. Deep Dale; Kirk Dale, Ashford; near Kniveton.

G1. Mellor, *Natt*. Chapel; Fernilee, *Barker*.

G2. Belper; Duffield, *Painter*, *Nat*[t]. Gardom's Edge, Baslow.

P. Cresswell Crags; Markland Grips; Upper Langwith.

T1. Mickleover, *Painter*, *Nat*[t]. Shirley; churchyard, Brailsford; Snelston lime quarries.

T2. Cemetery Wall, near Chaddesden.

T3. Calke, *Bloxam*. Walls between Ticknall and Repton, *Purchas*. Repton, *Painter*, *Nat*^{t}.

Var. *obtusa* Hueben. *Dryptodon* Brid. *Braithwaite*, 1888.

L. Longstone Edge, near Ashford.

T3. Ticknall, *Purchas* (1863).

G. trichophylla *Grev.*

Rocks, walls. Rather rare.

First record, *The Naturalist*, 1887.

L. Chee Dale, *Holt in Braithw.* Taddington Dale; Deep Dale; Horseshoe Dale; Via Gellia; Brassington Rocks.

G1. Kinder, near Hayfield, *N.D.M.* Rocks under Back Tor, Edale.

G2. Rowsley, *Boswell* (1874) *in Braithw.* Sandstone walls, Stanton, *Ley*. Wall where path leaves the main road for Robin Hood's Stride, *Barker*. Wall of Hathersage Road, Grindleford.

G. Stirtoni *Schimp.*

Grit rocks. Very rare. Always sterile and propaguliferous.

First record, *The Flora*.

G1. Shallcross Plane, Fernilee; Chapel; Whaley Bridge to Buxton, near Whitehall; Spire Hollins, Combes, *Barker*.

G. Doniana *Sm.*

Mountain rocks. Rare.

First record, *Wilson*, *Bry. Brit.*, 1855.

G1. Axe Edge, *Holmes in Braithw.* Kinderscout, *Natt.* Buxton, *Whitehead in Braithw.* Fernilee ; Castleton, *N.D.M.* Charlesworth, *Tinker in N.D.M.* On a wall top, Combes Moss, *Ley*. Wall, Whaley Bridge to Buxton ; old road above Lanehead Farm, Fernilee ; near Shippons of Horwich House, Chapel, *Barker*.

RHACOMITRIUM *Brid.*

R. aciculare *Brid.* *Bryum* L. *Grimmia* C.M.

Rocks in mountain streams. Common.

First records, *Petiver*, 1713 ; *Withering*, 1787. " Scampton's *Peak* Moor-moss. First *discovered* by this *Gentleman* on the large Stones which lie in the *Rivulets*, amongst the *Peakmoors* in *Derbyshire*," *Petiver*.

G1. Charlesworth Coombs ; Kinderscout, *Nat*^{t}. Moorland streams near Buxton, *Ley*. R. Goyt, Fernilee ; clough west of Thornylea, Combes ; near Little Hayfield, *Barker*. Oyster Clough, near the Snake Inn ; near Lady Bower Inn, Ashopton ; Grinds Brook, Edale ; Combes Moss.

G2. Froggatt ; Bar Brook, and Gardom's Edge, Baslow ; near Higgar Tor, Hathersage.

Var. *denticulatum* B. & S.

G1. Kinderscout ; Stenior Clough, *N.D.M.* Cowburn, *Barker*.

[**R. protensum** *Braun.* *Grimmia aquatica* C.M.
Damp mountain rocks. Rare. *Dillenius*, 1741.
G1. In the Peak, *Dillenius.* Requires confirmation.]

R. fasciculare *Brid.* *Bryum* Schrad. *Grimmia* C.M.
On mountain rocks. Frequent.
First record, *Garner*, 1844.
G1. Charlesworth Coombs, *Natt.* Stenior Clough; Kinderscout; near Buxton, *N.D.M.* Fernilee; Combes; Chapel, and near Wash, *Barker.* Grinds Brook, Edale.
G2. Cromford, *Garner.*

R. heterostichum *Brid.* *Trichostomum* Hedw.
On mountain rocks. Not uncommon.
First record, *N.D.M.*, 1894.
L. Harper Hill, Buxton.
G1. Stenior Clough; near Buxton, *N.D.M.* Near Shallcross Mill, Horwich End, and other places in Fernilee; Spire Hollins, Combes; near Chapel Railway Station, and other places in Chapel; Combes Moss, *Barker.*
G2. Wall of Hathersage Road, Grindleford.

Var. *gracilescens* B. & S. *G. obtusa* Lindb. *Trichostomum obtusum* Sm.
G1. Kinderscout, *J.B.*, 1894.

R. lanuginosum *Brid.* *Trichostomum* Hedw. *Grimmia hypnoides* Lindb. *Bryum* L.
Rocks and walls. Common.
First record, *Martyn Phil. Trans.*, 1729. "*Bryum hypnoides capitulis plurimis erectis lanuginosum Dillenii.*"
L. Chee Dale, *N.D.M.* Ravensdale; Deep Dale; Lathkil Dale, *Ley.* Horseshoe Dale, *Barker.* Dovedale, *Garner.* Great Rocks Dale.
G1. Kinderscout; Charlesworth Coombs, *Natt.* In little short patches on walls in Fernilee and Chapel, an unusual form, *Barker.* Old road, a little above Fox House Inn.

R. canescens *Brid.* *Grimmia* C.M. *Trichostomum* Timm.
Walls, dry heaths, rocks. Frequent.
First record, *Garner*, 1844.
L. Lathkil Dale, *Ley.* Dovedale, *Garner.* Monk's Dale, *Barker.* Harborough Rock.
G1. Fernilee, *N.D.M.* Goyt's Clough; old road north of Ladder Hill, Chapel, *Barker.*

Var. *ericoides* B. & S. *Bryum* Schrad.
L. Chee Dale, *N.D.M.*
G1. Fernilee; Kinderscout; Chapel-en-le-Frith, *N.D.M.*

PTYCHOMITRIUM *B. & S.*

P. polyphyllum *Fürnr.* *Glyphomitrium* Mitt. *Bryum* Dicks.

Mountain rocks. Not uncommon.

First record, *Garner*, 1844.

L. Walls, Ashwood Dale, *N.D.M.* Dovedale, *Garner.*

G1. Abundant on the millstone grit, near Buxton, *Ley.* Fernilee; Kinderscout, *N.D.M.* Occasionally on walls, Chapel, *Barker.*

T1. On slag, railway banks, Mickleover, *Bindley!*

CAMPYLOSTELEUM *B. & S.*

C. saxicola *B. & S.* *Glyphomitrium* Mitt. *Dicranum* W. & M.

Grit or sand rocks. Rare.

First record, *Wilson, Bry. Brit.*, 1855.

G2. Crich; Rowsley, *Wilson* (1833) *in Braithw.* Near Cromford, *N.H. Tutb.*

HEDWIGIA *Ehrh.*

H. ciliata *Ehrh.* *Bryum* Dicks. *H. albicans* Lindb.

Grit rocks and walls. Rare.

First record, *The Naturalist*, 1886.

G1. Kinderscout, with fruit, *Nat*^{t}. (*Whitehead*). Fernilee, *N.D.M.*

IX. TORTULACEÆ.

ACAULON *C.M.*

A. muticum *C.M.* *Sphaerangium* Schimp. *Phascum* Schreb.

Bare soil. Rare.

First record, *The Naturalist*, 1886.

G1. Charlesworth, *N.D.M.* Near Stirrup Wood, *Nat*^{t}.

T1. Mickleover, *Bindley.*

PHASCUM *Schreb.*

P. cuspidatum *Schreb.* *P. acaulon* L.

Fallows, banks, &c. Common.

First record, *Bloxam MS.*, 1833.

L. Miller's Dale; Tideswell Dale, *N.D.M.* Brassington Rocks.

G1. Chapel-en-le-Frith, *N.D.M.* Near Overlea, *Barker.*

G2. Fallows between Dethick Common and Lea.

P. Scarcliffe; Stony Houghton; Whitwell Wood, one plant out of a patch with curved seta.

T1. Mickleover, *Painter*, *Natt.* Hollington, Longford; Yeldersley; Snelston lime quarries; Thurvaston, near Marston Montgomery; Kirk Langley.

T2. By the canal near Spondon; Mansfield Road, between one and two miles from Derby; by canal south of Derby.

T3. Calke, *Bloxam.* Milton, *Painter*, *Nat^t.*

Var. *piliferum* Hook & Tayl.

P. Cresswell Crags; Belph Moor, Whitwell.

P. curvicolle *Ehrh.*

Fallows, bare soil among rocks, on magnesian limestone. Rare.

First record, *The Flora.*

P. At and near Cresswell Crags; Belph Moor (*named by Rev. C. H. Binstead*); fields by Whitwell Wood, and in a quarry near Whitwell Station.

POTTIA *Ehrh.*

P. recta *Mitt.* *Phascum* With.

Fallows and bare soil, on limestone. Rather rare.

First record, *N.D.M.*, 1894.

L. Miller's Dale; Monsal Dale, *N.D.M.* Duke's Drive, Buxton.

P. Between Belph Moor and Cresswell Crags; Pleasley Park; Scarcliffe Park, and between that and Stony Houghton; fields by Whitwell Wood; quarry near Whitwell Station, and old quarry near Springfield Farm.

P. bryoides *Mitt.* *Phascum* Dicks.

Fallows and bare places on limestone. Rare.

First records, *Wilson*, *Bry. Brit.*, 1855; *Purchas*, 1860.

L. Buxton, *Wood in Braithw.* Dovedale, *Fraser in Braithw.* Wormhill, *Nowell in N.D.M.* Miller's Dale, *Scholfield in N.D.M.* Monsal Dale, *Ashton in N.D.M.* Chee Dale, *N.D.M.* Taddington Dale, *Barker.* Near Monyash; north side of Harper Hill.

T3. Calke, *Purchas.*

P. truncatula *Lindb.* *Bryum* L. *P. truncata* Fürnr.

Fallows, banks, bare soil. Common.

First record, *Bloxam MS.*, 1833.

G1. Near Stirrup Wood, *Nat^t.* Fernilee; Chapel; bank of wood near Spire Hollins, *Barker.* Near Clough Farm, Edale.

G2. Fallows between Dethick Common and Lea.

C. Near Calow Green, Chesterfield.

P. Belph Moor, and near Cresswell Crags; Pleasley Park; old quarry near Whitwell Station.

T1. Mickleover, *Painter*, *Natt.* Brailsford; Shirley; Langley Common; Cross o' th' hands; The Holt, Edlaston.

T2. By canal, Derby.

T3. Calke, *Bloxam.* Between Coppin Nook and Melbourne, *Purchas.* Foremark, *Painter*, *Nat^t.*

P. intermedia *Fürnr.* *Gymnostomum* Turn.

Rocks, walls, fallows, mostly on limestone. Not common.

First record, *Braithwaite*, 1884.

L. Miller's Dale, *Holt* (1881) *in Braithw.* Lightwood Road, Buxton; Dovedale, *Barker*. Taddington Dale.

P. In an old quarry east of Whitwell Station, and in fields by Whitwell Wood.

P. minutula *Fürnr.* *Gymnostomum* Schleich. *P. Starkei* v. *Davallii* Lindb.

Fallows, roadsides, bare places. Not uncommon.

First record, *Purchas*, 1859-62.

L. Miller's Dale, *N.D.M.*

P. Belph Moor, Whitwell.

T1. Mickleover, *Painter*, *Nat*$_t$. Between Mercaston and Cross o' th' hands; Hollington, Longford; Corley, near Bradley; Shirley; Yeldersley; near Long Lane; Snelston lime quarries.

T2. Waste ground by canal, near Derby.

T3. Melbourne Common, *Purchas*.

P. Starkeana *C.M.* *Weissia* Hedw.

Bare soil. Rare.

First record, *Braithwaite*, 1884.

L. or G1. Buxton, *Hunt* (1872) *in Braithw.*

P. lanceolata *C.M.* *Leersia* Hedw.

Rocks, quarries, banks. Frequent.

First record, *Bloxam MS.*, 1833.

L. Taddington Dale; Miller's Dale; Monsal Dale, *N.D.M.* Dovedale, *Purchas*. Via Gellia.

G2. Wall tops north of Froggatt.

P. Scarcliffe Park; Pleasley Park; between Belph Moor and Cresswell Crags: quarries both sides of Whitwell Station.

T1. Brailsford; near Peathays, and north of Shirley Park, Shirley; Snelston lime quarries.

T2. Near Derby canal, south of Derby.

T3. Calke, *Bloxam*. Ticknall, *Purchas*.

P. latifolia *C.M.* *Weissia* Schwaegr.

Mountain rocks. Very rare.

First record, *Braithwaite*, 1884.

L. Carr rocks above Castleton, *Dickie* (1867) *in Braithw.*

TORTULA *Hedw.*

T. pusilla *Mitt.* *Bryum* Hedw. *Pottia cavifolia* Ehrh. *Gymnostomum ovatum* Hedw.

Wall tops. Not common.

First record, *Bloxam MS.*, 1833.

L. Miller's Dale, *Cunliffe in N.D.M.* Wall tops between Tideswell and Miller's Dale, *Ley* (1887).

G2. Wall tops, abundant, north of Froggatt.

T3. Calke, *Bloxam.* Ticknall, *Purchas* (1859).

T. lamellata *Lindb.* *Barbula cavifolia* Schimp.

Wall tops, bare ground. Rare.

First record, *Ley MS.*, 1898.

L. Near Miller's Dale Station, *Ley.*

T. brevirostris *Hook & Grev.*

Wall tops in limestone districts. Very rare.

First record, *Holmes in Grevillæa*, ii., 169, 1873.

L. Wall top in Ashwood Dale, *George* (1873) *in Braithw.*

T. rigida *Schrad.* *Barbula* Schultz. *T. stellata* Lindb.

Wall tops, mostly on limestone. Rather rare.

First record, *Braithwaite*, 1884.

L. Peak Forest, *Whitehead* (1871) *in Braithw.* Ashwood Dale, *Barker.* Topley Pike, *N.D.M.* Miller's Dale, *Ley* (1869). Via Gellia.

G1. Wall top, Overlea; near Horwich End, Fernilee, *Barker.*

P. Quarries on both sides of Whitwell Station; wall top near Langwith Station.

T2. On a walled bank in Locko Park.

T. ambigua *Angstr.* *Barbula* B. & S. *T. ericæfolia* Lindb.

Wall tops, mostly on limestone. Rare.

First record, *Bloxam MS.*, 1833.

L. Topley Pike, Buxton, *Ley* (1876).

T1. On conglomerate, Wyaston.

T3. Ticknall Quarries; tramway, Calke, *Purchas.* (*T. rigida*). Repton, *Painter*, *Nat*$_t$.

T. aloides *De Not.* *Trichostomum* Koch. *Barbula* Fürnr.

Wall tops, mostly on limestone. Rather rare.

First record, *Braithwaite*, 1884.

L. Ashwood Dale, *Holt* (1880) *in Braithw.* Topley Pike, *Ley* (1870). Wall top by an old quarry, Duke's Drive, Buxton.

G1. Near Stirrup Wood, *Nat*$_t$.

T1. Snelston lime quarries (*named by Rev. C. H. Binstead*).

T. muralis *Hedw.* *Bryum* L. *Barbula* Timm.

Common on walls, rocks, &c.

First record, *Bloxam MS.*, 1833.

Var. *rupestris* Wils. *Purchas*, 1862.

L. Frequent on rocks and walls in the limestone districts, *N.D.M.* Ravensdale; Lathkil Dale, *Ley* (1881). Dovedale, *Purchas.* Near Taddington; Great Rocks Dale; Back Dale, *Barker.* Via Gellia.

G1. Mellor, *Nat*^{t}.

P. Pleasley Park; Markland Grips; Cresswell Crags.

T. subulata *Hedw.* *Bryum* L. *Barbula* P. Beauv.

Brook banks, walls, limestone rocks. Frequent.

First record, *Bloxam MS.*, 1833.

L. Frequent on banks and walls in the limestone dales, *N.D.M.* Abundant, Buxton, *Ley* (1869). Matlock Bath, *Armitage.* Miller's Dale, *Painter*, *Natt.* Castleton, *Carr.* Bradwell, *Snelgrove.* Cressbrook; Conies Dale; Back Dale, Horseshoe Dale, *Barker.* Tideswell; Fern Dale, Ashford; Brassington; Dovedale.

G1. Fernilee; Chapel-en-le-Frith, *Barker.* Edale.

G2. By R. Derwent, near Beeley; Hathersage road, Grindleford.

P. Markland Grips; hedge, Upper Langwith; Cresswell.

T1. Cubley Brook; Markeaton Brook; gravel pit, Wyaston; near Alkmonton.

T3. Calke, *Bloxam.* Repton, *Painter*, *Nat*^{t}.

T. mutica *Lindb.* *Barbula latifolia* B. & S.

Tree trunks by streams. Rather rare.

First record, *The Flora.*

L. Deep Dale, near Buxton; Scow Brook, near Hognaston.

G2. By R. Derwent, between Matlock and Darley.

T1. By R. Dove, near Doveridge.

T. laevipila *Schwaegr.* *Syntrichia* Brid. *Barbula* B. & S.

Tree trunks. Rather rare.

First record, *Garner*, 1844.

L. On trees, Dovedale, *N.D.M.* Trees near Thorpe, *Garner.* Monsal Dale, *Holt in N.D.M.* On a tree by the roadside between Hope and Castleton; and between Alport and Bakewell, *Barker.*

G1. Chapel-en-le-Frith, *N.D.M.* North end of Combes Reservoir, *Barker.*

T. intermedia *Berk.* *Syntrichia* Brid. *Barbula* Milde. *T. montana* Lindb.

Limestone dales, walls. Frequent.

First record, *Purchas*, 1862.

L. Miller's Dale; Bakewell, *Holt in Braithw.* Buxton, *Ley* (1869). Dovedale, *Purchas.* Cales Dale; Horseshoe Dale, *Barker.* Taddington Dale; Cressbrook; Hartle Dale, Bradwell; Harper Hill, Buxton.

G1. Chapel-en-le-Frith, *Holt in Braithw.* Wall by the roadside near Cadster, between Chapel and Whaley, *Barker.*

P. Whitwell.

T. ruralis *Ehrh.* *Bryum* L. *Barbula* Hedw.

Walls, roofs, &c. Not unfrequent.

First record, *Bloxam MS.*, 1833.

L. Old walls, Ashwood Dale; Wormhill; Dovedale; Castleton, *N.D.M.* Buxton, *Ley.* Between Alport and Haddon Hall; Horseshoe Dale and Back Dale, *Barker.* Near Cromford Station.

P. Cresswell Crags; on a roof at Whitwell.

T3. Calke, *Bloxam.* Foremark, *Painter*, *Nat*^{t}.

T. princeps *De Not.* *Barbula Muelleri* B. & S.

Rocks and walls, rarely tree trunks. Rare.

First record, *The Naturalist*, 1885.

L. Near Buxton, *Ashton* (1870) *in Braithw.* Near Miller's Dale, *Cash in N.D.M.*

BARBULA *Hedw.*

B. lurida *Lindb.* *Didymodon* Hornsch.

Limestone rocks. Very rare.

First record, *The Flora.*

L. Dovedale, *Barker.*

B. rubella *Mitt.* *Bryum* Hoffm. *Didymodon* B. & S.

Rocks, walls, especially on limestone. Frequent.

First record, *Purchas*, 1859.

L. Dovedale, *Hb. Mason.* Cressbrook; Cales Dale; Back Dale, near Hindlow; Lover's Leap, *Barker.* Bradwell; Ashford; Chee Tor; Via Gellia, and Masson Hill; Madge Boose, Kniveton.

G1. Mellor, *Nat*^{t}. Fernilee; Hogshaw Reservoir, Buxton, *Barker.* Bank Hall, Chapel. Frequent on walls, *N.D.M.*

G2. Froggatt; by R. Derwent, near Beeley.

P. Between Scarcliffe and Stony Houghton; Pleasley Park; Upper Langwith; Markland Grips; Cresswell Crags; Belph Moor.

T1. Snelston lime quarries; Thurvaston, near Marston Montgomery; Wyaston; by the waterwheel, Shirley Park.

T3. Foremark; Calke, *Purchas.*

Var. *dentata* Braithw. (1887).

L. Miller's Dale, *Holt* (1879) *in Braithw.* Ashwood Dale, *Ley.*

B. tophacea *Mitt.* *Trichostomum* Brid. *B. brevifolia* Lindb.

Limestone walls and by springs. Frequent.

First record, *The Naturalist*, 1886.

L. Miller's Dale, *N.D.M.* Monk's Dale; Cressbrook; Dovedale, *Barker.* Ashwood Dale; Lathkil Dale; Via Gellia.

G1. Kinderscout, *Nat*^{t}. Fernilee, and near Spire Hollins, *Barker.* Wall, south of Combes Reservoir.

C. By a pond, and by roadside at Dale Moor.

P. Old quarry near Springfield Farm, Whitwell; between Scarcliffe and Houghton.

T1. Mickleover, *Painter*, *Nat*^{t}. Radbourn; Findern; Littleover, *Bindley*. Between Shirley and Hollington; Darley Moor, near Snelston.

T2. By canal south of Derby.

B. fallax *Hedw.*

Banks, walls, roadsides. Common.

First record, *Bloxam MS.*, 1833.

L. Frequent in Ashwood and Miller's Dales, *N.D.M.* Castleton, *Carr*. Monyash; near Taddington; Hindlow; Back Dale; near Lover's Leap; Dovedale, *Barker*. Via Gellia; Kniveton Brook.

G1. Edale; Chapel; Fernilee, *Barker*.

G2. Cromford, *Hb. Mason*.

T1. Mickleover, *Painter*, *Nat*^{t}. Findern, *Bindley*. Clifton; Shirley; Snelston lime quarries; Slack Lane, Brailsford; brook below Hulland Moss.

T3. Calke, *Bloxam*. Willington, *Hb. Mason*. Quarries at Ticknall, *Purchas*.

Var. *brevifolia* Schultz. *Braithwaite*, 1887.

L. Buxton; Miller's Dale, *Holt* (1883) *in Braithw*. Quarry on Fairfield Common.

G1. Chapel-en-le-Frith, *N.D.M.* Fernilee, *Barker*. Slackhall, near Chapel.

P. Clowne.

T1. Fallows, Yeldersley, near Ashbourne.

B. recurvifolia *Schimp.* *Tortula* Berk. *B. reflexa* Brid.

Bare soil, walls. Rather rare.

First record, *J.B.*, 1871.

L. Buxton; Middleton, *Wilson in Braithw*. Via Gellia, *Holmes in Braithw*. Miller's Dale; Castleton, *Holt in Braithw*. Ashwood Dale, with fruit, *Ley*. Monyash; Bradwell; Dovedale, *Barker*. Diamond Hill; Scow Brook, near Hognaston.

G1. Walls, Chapel-en-le-Frith, *N.D.M.* Shallcross Plane, near Horwich End, Fernilee, *Barker*. By R. Noe, Edale.

T1. Lane from Old Yeldersley to Ednaston Lodge; main road between Shirley and Brailsford.

B. spadicea *Mitt.* *Trichostomum rigidulum* Sm. p.p.

By mountain streams. Rare.

First record, *Braithwaite*, 1887.

L. Buxton, *Wilson* (1863) *in Braithw*. Dovedale, *Holmes in Braithw!* Castleton, *Holt in Braithw*. Monyash; Cressbrook, *Barker*. Monk's Dale.

P. Pleasley Park.

B. rigidula *Mitt.* *Didymodon* Hedw.

Walls, rocks. Not uncommon.

First record, *Garner*, 1844.

L. Buxton, *Wilson* (1864) *in Braithw.* Castleton, *Holt in Braithw.* Ashwood Dale, *N.D.M.* Ravensdale, *Ley.* Matlock, *Garner.* Bradwell; Ashford; Cales Dale; Hindlow, *Barker.* Harper Hill.

G1. Walls, Whaley Bridge, *N.D.M.* Clunal, near Glossop, *Buxton.* Near the railway above Combes Reservoir; near Hogshaw Reservoir, Buxton; Chapel; Fernilee, *Barker.*

G2. Harper Lees, Hathersage; Bar Brook, Baslow.

P. Clowne; Scarcliffe Park; Pleasley Park.

T1. Stonework of wet place between Ednaston and Brailsford Brook; laneside between Old Yeldersley and Ednaston.

T3. Tramway, Calke, *Purchas.*

B. cylindrica *Schimp.* *Zygotrichia* Tayl.

Walls, quarries, banks. Frequent.

First record, *N.D.M.*, 1894.

L. Buxton; Castleton; Matlock, *N.D.M.* Chee Dale; near Taddington; Bradwell; Cales Dale; Dovedale, *Barker.* Via Gellia; Monk's Dale.

G1. Shallcross Plane, Fernilee; above Combes Reservoir, Chapel, *Barker.* Roadside below north end of Axe Edge.

G2. Hathersage road, Grindleford.

P. Markland Grips; Scarcliffe Park; Pleasley Park; Upper Langwith.

T1. Snelston lime quarries; brook north side of Brailsford Common; between Ednaston and Brailsford Brook; on sandy conglomerate at Edlaston Coppy; Cubley Brook; Marston Montgomery.

B. vinealis *Brid.* *B. cylindrica* var. *vinealis* Braithw.

Rocks, walls. Rare.

First record, *Manch. Crypt. Soc.*, 1879.

L. Chee Dale; Bradwell; near Monyash, *Barker.* By a roadside spring between Miller's Dale and Buxton.

G1. Green Lane, Chapel, *Barker.*

B. sinuosa *Braithw.* *Dicranella* Wils. MS. *Didymodon* Schimp.

Walls, rocks, on limestone. Rather rare.

First record, *Braithwaite*, 1887.

L. Chee Dale, *Holmes* (1875) *in Braithw.* Monk's Dale; Miller's Dale; Monsal Dale, *Holt in Braithw.* Lathkil Dale, *Ley.*

B. Hornschuchiana *Schultz.*

Bare soil, walls, quarries. Rather rare.

First records, *Manchester Crypt. Soc.*, and *The Naturalist*, 1886.

L. Cromford, *Hunt* (1863) *in Braithw.* Miller's Dale, *Manch. Crypt. Soc.* (*Holt*). Topley Pike, *Ley.* Lightwood Road, Buxton; Hurdlow Station; Hindlow; near Taddington, *Barker.*

G1. Lydgate, Eccles Pike; Shallcross Plane, Horwich End, Fernilee, *Barker*.

B. revoluta *Brid.* *Tortula* Schrad.

Wall tops. Not uncommon.

First record, *The Naturalist*, 1886.

L. Walls, Buxton; Miller's Dale, *N.D.M.* Monsal Dale, *Ley*. Ashford; Castleton, *Barker*. Monk's Dale, on tufa.

G1. Chapel-en-le-Frith, *N.D.M.* Mellor, *Nat*^{t}. Fernilee, *Barker*.

G2. Wall top, main road above Froggatt; Hathersage road, Grindleford.

B. convoluta *Hedw.*

Wall tops, banks, roadsides. Frequent.

First record, *Purchas*, 1862.

L. Ashwood Dale; Topley Pike, *Ley*. Bradwell; Hindlow; Dovedale, *Barker*. Masson Hill, Matlock Bath; Fairfield Common, Buxton.

G1. Frequent on banks and walls, *N.D.M.* Mellor, *Nat*^{t}. Chapel; Fernilee, *Barker*. Edale.

P. Markland Grips; quarry near Whitwell Station; Pleasley.

T1. Findern, *Bindley*. By the waterwheel, Shirley Park.

T3. Dimminsdale, Calke, *Purchas*. Melbourne.

Var. *Sardoa* B. & S.

L. On walls, Ashwood Dale; Back Dale, near Hindlow; Miller's Dale; Great Rocks Dale; near Monyash; Horseshoe Dale; Ashford; Dovedale, *Barker*. Old quarry on Fairfield Common.

G2. Hathersage road, Grindleford.

B. unguiculata *Hedw.* *Bryum* Huds.

Bare ground, walls. Common.

First record, *Bloxam MS.*, 1833.

L. Abundant at Matlock, *N.D.M.* Back Dale, and at Hindlow; Bradwell; near Monyash; near Taddington, *Barker*. Monk's Dale; Duke's Drive, and near Harper Hill.

G1. Fernilee; Chapel, *Barker*.

C. Calow Green, Chesterfield.

P. Cresswell Crags; Scarcliffe Park; Markland Grips; Red Hill, Whitwell.

T1. Mickleover, *Painter*, *Nat*^{t}. Findern; Radbourne, *Bindley*. Gravel pit, Bradley; Shirley; Ednaston; Snelston lime quarries.

T2. Mansfield Road, near Derby; near Breadsall.

T3. Calke, *Bloxam*. Repton, *Painter*, *Nat*^{t}. Ticknall.

Var. *cuspidata* Braithw.

L. Ashwood Dale, *Barker*.

Var. *obtusifolia* (Schultz.) *Braithwaite*, 1887.

L. Miller's Dale, *Holt* (1882) *in Braithw.*

LEPTODONTIUM *Hampe.*

L. flexifolium *Hampe. Bryum* Dicks. *Didymodon* Hook. & Tayl.

Moorland, in peat or gravel. Rather rare.

First record, *Hook. & Tayl.*, 1827.

G1. Moor two miles from Buxton on Manchester Road, *Greville in Hook. & Tayl.* Charlesworth Coombs; Kinderscout, *Nat^t.* Burnt Hill, Hollinworth Clough; Combes Moss; moor near Goyt's Lane; Wildmoor Clough, and near Goyt's Bridge; foot of Bonsall Plane; Lightwood Reservoir, *Barker.*

G2. Moorland near Stanton, *Ley* (1880). Burbage Brook, *Barker.* Harland Edge, above Beeley.

WEISSIA *Hedw.*

W. crispa *Mitt. Phascum* Hedw. *Systegium* Schimp. *Mollia* Lindb.

Bare soil on limestone. Rare.

First record, *The Flora.*

L. Via Gellia.

P. Markland Grips; between Cresswell Crags and Belph Moor; Scarcliffe Park; Pleasley Park.

W. squarrosa *C.M. Gymnostomum* Wils. *Mollia* Lindb. *Hymenostomum* Nees & Hornsch.

Fallows. Rare.

First record, *Braithwaite*, 1885.

G1. Stirrup Wood, *Scholefield* (1868) *in Braithw.* Banks at Mellor, *Scholefield in N.D.M.*

W. microstoma *C.M. Gymnostomum* Hedw. *Mollia* Lindb.

Bare ground, soil among rocks. Not uncommon.

First record, *Purchas*, 1862.

L. Castleton; Monsal Dale; Miller's Dale; Lathkil Dale, *N.D.M.* Buxton, *Ley* (1869). Dovedale, *Purchas.* Great Rocks Dale, *Barker.* Horseshoe Dale; Deep Dale; north side of Diamond Hill.

G1. Roadside between Whaley Bridge and Chapel, at the boundary of Fernilee and Chapel parishes; Srigley's Quarry, near Chapel, *Barker.*

G2. Above Mag Clough, Grindleford.

P. Cresswell Crags; Scarcliffe Park; Steetley Quarry.

Var. *obliqua* C.M.

L. Duke's Drive, Buxton; Great Rocks Dale, *Barker.*

Var. *brachycarpa* Schimp. *Hymenostomum brachycarpum* N. & H.

T1. Damp clay fields about Yeldersley Lane, near Shirley. "A tall well developed form with broad leaves almost entirely plane-margined even to the upper perichætial bracts, and with the capsule almost of the typical shape, not shortly oval as usual in the variety," *Dixon in litt.*

W. tortilis *C.M.* *Gymnostomum* Schwaegr. *Mollia* Braithw.

Limestone banks. Rare.

First record, *Wilson, Bry. Brit.*, 1855.

L. Lathkil Dale, *Wilson* (1831) *in Braithw.* Ashwood Dale, *N.D.M.* Miller's Dale, *Ley* (*leg. C. Wild*). Cales Dale, *Barker.* Hartle Dale, Bradwell.

W. viridula *Hedw.* *Bryum* L. *Mollia* Lindb. *W. controversa* Hedw.

Banks. Common.

First record, *Bloxam MS.*, 1833.

L. Cressbrook, *N.D.M.* Lathkil Dale; Duke's Drive, Buxton, *Barker.* Diamond Hill, Buxton; near Monyash; Masson Hill; Dovedale; Brassington Rocks; near Kniveton.

G1. Banks at Edale; Whaley Bridge; Mellor, *N.D.M.* Fernilee; Chapel; Bugsworth, *Barker.* Near Hogshaw Reservoir, Buxton; Chinley.

G2. Cromford, *Hb. Mason.* Wakebridge, Crich; Grindleford.

C. Calow, near Chesterfield.

P. Cresswell Crags; Scarcliffe Park; Langwith Wood; near Stony Houghton; Markland Grips; Belph Moor.

T1. Mickleover; Radbourn, *Painter, Nat^t.* Edlaston; Osmaston; Shirley; by Bradley Brook; Snelston lime quarries; Brailsford; Cross o' th' hands, Hulland Ward.

T2. By pool south of Trent Station.

T3. Calke, *Bloxam.* Ticknall, *Purchas.* Brizlincote; Newton Solney, *N.H. Tutb.* Milton; Foremark, *Painter, Nat^t.*

Var. *amblyodon* B. & S.

L. A form of this near Harper Hill, Buxton, *Barker.* Griff Grange, Via Gellia.

W. crispata *Nees & Hornsch.* *W. viridula* v. *gymnostomoides* B. & S.

Banks, limestone dales. Rare.

First record, *Dixon, J.B.*, 1899.

L. Miller's Dale, *Hb. Whitehead* (*G. densifolia*, 1871). Buxton district (1878); near Harper Hill, *Barker.* Ashwood Dale, *Hb. Whitehead* (*G. condensatum*, 1880). Monk's Dale, *Dixon* (1899).

W. tenuis *C.M.* *Gymnostomum* Schrad. *Gyroweissia* Schimp. *Mollia* Lindb.

Slopes of sandstone or limestone. Rare.

First record, *N.H. Tutb.*, 1863.

T3. Calke Park, *Bloxam in N.H. Tutb.*

W. calcarea *C.M.* *Gymnostomum* Nees & Hornsch. *Mollia* Lindb.

Limestone rocks, or toadstone. Locally abundant.

First record, *Manch. Crypt. Soc.*, 1881.

L. Chee Dale, *Holmes* (1874) *in Braithw.* Monsal Dale ; Ravensdale, *Holt in Braithw.* On toadstone at Dale End, near Buxton, *W. West*, July, 1879. Monk's Dale ; Miller's Dale, *Ley.* Between Parsley Hay and Dovedale ; Lathkil Dale, *Barker.*

P. Markland Grips, Clowne (*named by Rev. C. H. Binstead*).

W. rupestris *C.M.* *Gymnostomum* Schleich. *Mollia* Lindb.

Damp limestone rocks. Not uncommon.

First record, *N.D.M.*, 1894.

L. Miller's Dale, *Barker in N.D.M.* Deep Dale, *Ley* (1886). Cressbrook ; Chee Dale ; Back Dale, Hindlow ; between Parsley Hay and Dovedale, *Barker.* Cales Dale and Lathkil Dale.

G1. Bridge near old tollbar, Fernilee, *Barker.*

P. Markland Grips, Clowne.

Var. *ramosissima* C.M. *Braithwaite*, 1885.

L. Castleton, *Rogers* (1881) *in Braithw.* Miller's Dale, *Holt in N.D.M.* Conies Dale; Deep Dale; Dovedale; near Lover's Leap, *Barker.* Ashwood Dale.

W. curvirostris C.M. *Gymnostomum* Hedw. *Barbula* Lindb.

Damp mountain rocks. Rather rare.

First record, *Garner*, 1844.

L. Wet rocks, Castleton, *Holt in N.D.M.* Bridge between Ashbourne and Thorpe, *Garner.* Masson Hill, Matlock Bath ; Duke's Drive, Buxton.

G1. Kinderscout, *Nat*^{t}. (*Holt and Whitehead*). Chinley Hills.

G2. Under White Edge, Froggatt.

[Var. *commutata* Lindb. *Hymenostyleum* Mitt. *Braithwaite*, 1887.

L. Ravensdale, *Holt* (1883) *in Braithw.*

N.B.—Mr. Whitehead erased this in his annotated copy of *The Naturalist* for 1886 as an error, hence it apparently requires confirmation.]

W. verticillata *Brid.* *Bryum* L. *Eucladium* B. & S. *Mollia* Lindb.

Damp limestone rocks. Rather rare.

First record, *N.D.M.*, 1894.

L. Peak Forest; Chee Dale, *N.D.M.* Monk's Dale, with fruit, *Ley* (1887). Cressbrook; Taddington; Dovedale, *Barker.*

P. Markland Grips, *t. Rev. C. H. Binstead.*

TRICHOSTOMUM *B. & S. emend.*

T. crispulum *Bruch.* *Mollia* Lindb.

Rocks, walls, banks, especially on limestone. Not uncommon.

First record, *Braithwaite*, 1885.

L. Monsal Dale, *Holt* (1882) *in Braithw.* Cave Dale, Castleton, *West in N.D.M.* Chee Dale, *Holt in N.D.M.* Monk's Dale; Ravensdale; Dovedale, *Ley* (1876). Conies Dale; Bradwell; Cales and Back Dales; Great Rocks Dale, *Barker.*

G2. Bar Brook, Baslow.

P. Cresswell Crags; quarry near Springfield Farm, Whitwell; Markland Grips.

Var. *nigroviride* Dixon. *The Naturalist*, 1886.

L. Monk's Dale, *Nat*[t]. (*Holt*). Dovedale, *Barker.*

T. mutabile *Bruch.* *Mollia brachydontia* Lindb.

Among rocks, mostly on limestone. Not uncommon.

First record, *Braithwaite*, 1887.

L. Dovedale, *Wilson* (1867) *in Braithw.* Lathkil Dale; Taddington Dale, *N.D.M.* Conies Dale; Cales Dale; Monk's Dale; Back Dale; Horseshoe Dale; near Lover's Leap, *Barker.* Between Harper Hill and Diamond Hill; Via Gellia; Brassington Rocks.

P. Cresswell Crags (t. *C. H. Binstead*).

T3. Repton, *Painter*, *Nat*[t].

Var. *litorale* Dixon.

P. Cresswell Crags ("apparently," *C. H. Binstead*).

Var. *cophocarpum* Schimp. *Braithwaite*, 1887.

L. Chee Dale, *Whitehead* (1880) *in Braithw.* Miller's Dale, *West in Braithw.* Cave Dale; Tideswell Dale; Taddington Dale, *N.D.M.* Litton Dale, *Ley.* Cressbrook; Lathkil Dale; Back Dale; Great Rocks Dale; Monk's Dale Dovedale, *Barker.* Rocks above Lover's Leap, Buxton.

G1. Wall by the brook, south of Combes Reservoir.

T. tenuirostre *Lindb.* *Mollia* Lindb. *Didymodon cylindricus* B. & S.

Rocks by streams. Rare.

First record, *N.D.M.*, 1894.

G1. Kinderscout, *Holt in N.D.M.*

T. nitidum *Schimp.* *Mollia* Lindb.

Limestone rocks. Rare.

First record, *Braithwaite*, 1887.

L. [Dovedale, at the opening of Hall Dale, *Holmes* (1875) *in Braithw.*] but on the Staffs. side I learn from Mr. H. Dowel Dale, between Hindlow and the Dove, *Barker.*

T. tortuosum *Dixon.* *Mollia* Schrank. *Barbula* W. & M.

Rocks and walls, especially on limestone. Frequent.

First record, *Engl. Bot.*, 1807.

L. Frequent on rocks and walls on the limestone, *N.D.M.* Ashford, with fruit, *Nield and Ashton in N.D.M.* Buxton, with setæ, *Wilson* (1831); ib. *Ley* (1869). Matlock Bath, *Armitage.* Dovedale, *Purchas.* Bradwell; Cressbrook; Cales, Back, and Horseshoe Dales, *Barker.*

G1. Stirrup Wood, *Nat^t.* Shallcross Plane, Bonsall Plane, Fernilee, *Barker.*

G2. Walls at Baslow.

P. Cresswell Crags; Markland Grips; Belph Moor; Scarcliffe Park; Pleasley Park.

Var. *angustifolium* (Juratz). *Braithwaite*, 1887.

L. The Winnatts, *Rogers* (1881) *in Braithw.*

Var. *fragilifolium* Dixon.

L. Great Rocks Dale, Buxton.

PLEUROCHÆTE *Lindb.*

P. squarrosa *Lindb.* *Barbula* Brid.

Limestone slopes, among rocks. Rare.

First record, *The Naturalist*, 1880.

L. Lathkil Dale, *Whitehead* (1882) *in Braithw.*

P. Cresswell Crags (*named by C. H. Binstead*).

CINCLIDOTUS *P. Beauv.*

C. fontinaloides *P. Beauv.* *Hypnum* Lam.

Stones in mountain streams. Frequent.

First record, *Buxton's B.G.*, 1849.

L. On stones in R. Wye at Chee Dale and Miller's Dale; on stones in R. Dove in Dovedale, *N.D.M.* Matlock Bath, *Gem of the Peak.* Monsal Dale, *Armitage.* Lathkil Dale; Cressbrook; Monk's Dale, *Barker.* Deep Dale.

G1. Rocks and stones in R. Goyt, near Marple Aqueduct, *Buxton.*

G2. By R. Derwent, between Matlock and Darley.

X. ENCALYPTACEÆ

ENCALYPTA *Schreb.*

E. vulgaris *Hedw.* *Leersia exstinctoria* Leyss.

Rocks and banks, especially on limestone. Frequent.

First records, *Bloxam MS.*, 1833; *Garner*, 1844.

L. Hartington; Dovedale, *N.D.M.* Thorpe Cloud, *Garner.* Miller's Dale, *Ley.* Near Parwich, *Barker.* Hartle Dale, Bradwell; Lathkil Dale; Duke's Drive, Buxton.

G2. Walls, Grindleford, towards Eyam.

P. Cresswell Crags; Belph Moor; Scarcliffe Park.

T1. Snelston lime quarries.

T3. Calke Abbey, *Bloxam*. Repton, *Painter*, *Natt.*

Var. *pilifera* (Funck). *Wilson*, *Bry. Brit.*, 1855.

L. Youlgreave; Buxton, *Wilson*. Bradwell; near Taddington, *Barker*.

Var. *obtusifolia* (Funck). *Wilson*, *Bry. Brit.*, 1855.

L. Youlgreave, *Wilson*. Dovedale, *Painter*, *Nat^t.* Ashwood Dale, and Duke's Drive, and near Harper Hill; Great Rocks Dale; Monk's Dale, *Barker*.

E. streptocarpa *Hedw.* *Leersia contorta* Lindb. *Encalypta* Hoppe.

Walls, rocks, banks, mostly on limestone. Frequent.

First record, *Hook. Brit. Fl.*, 1833.

L. Rather abundant on the limestone, *N.D.M.* Lathkil Dale, fruiting in 1832, *Bowman in Nat^t.* (1887). Matlock, *Wilson in Braithw.* Cromford, *Hb. Mason*. Dovedale, *N.H. Tutb.* Castleton, *Carr*. Lover's Leap; Cressbrook; near Monyash; Horseshoe and Back Dales, *Barker*. Buxton; Hartle Dale, Bradwell.

G1. Common on wall tops where the top course is set with lime mortar, *e.g.*, Little Hayfield, Fernilee, *Barker*. Mellor; Kinderscout, *Nat^t.* Walls at Bank Hall, Chapel.

P. Cresswell Crags; Scarcliffe Park; by roadside near Stony Houghton; Belph Moor.

T1. Snelston lime quarries.

XI. ORTHOTRICHACEÆ.

ZYGODON *Hook. & Tayl.*

Z. Mougeotii *B. & S.* *Amphoridium* Schimp. *Anœctangium* Lindb.

Damp rocks. Rather rare.

First record, *N.D.M.*, 1894.

L. Ashwood Dale, *N.D.M.*

G1. Near Woodhead; Stenior Clough; Kinderscout, *N.D.M.* Edale Head, *Ley* (1881). Grinds Brook, Edale, *Barker*.

Z. viridissimus *Brown.* *Bryum* Dicks.

On trees or rocks. Frequent.

First record, *N.D.M.*, 1894.

L. On trees in Monsal Dale, *Holt in N.D.M.* Matlock, *N.D.M.* Abundant on limestone near Buxton, *Ley*. Chee Dale; Monk's Dale; Dovedale, *Barker*. Via Gellia.

G1. Chapel-en-le-Frith, *N.D.M.* Tree, roadside north end of Combes Reservoir.

G2. Bechagg Wood, Froggatt.

Var. *rupestris* Lindb. *The Naturalist*, 1881.

L. Limestone rocks at Castleton; Miller's Dale, *Holt*, *Natt.* Grin Wood, Buxton, *Barker.*

Z. Stirtoni *Schimp.*

Rocks, walls. Rare.

First record, *Braithwaite*, 1889.

L. Buxton, *Hunt* (1867) *in Braithw.* Chee Tor; Monk's Dale, *Holt in Braithw.* Near Lover's Leap, *Barker.*

ULOTA *Mohr.*

U. Drummondii *Brid.* *Orthotrichum* Hook. *Weissia* Lindb.

Young trees on mountains. Very rare.

First record, *N.D.M.*, 1894.

G1. On trees near Whaley Bridge, *Scholefield in N.D.M.*

U. Bruchii *Hornsch.* *Weissia* Lindb.

Trees or rocks. Rare.

First record, *N.D.M.*, 1894.

L. On trees, Monsal Dale, *Holt in N.D.M.* Dovedale; Castleton, *Barker in N.D.M.* Via Gellia.

U. crispa *Brid.* *Orthotrichum* Hedw. *Weissia* Ehrh.

On trees in damp shady places. Rare.

First record, *Bloxam MS.*, 1833.

L. Dovedale, *Garner.*

T3. Calke, *Bloxam.*

ORTHOTRICHUM *Hedw.*

O. anomalum *Hedw.*, var. saxatile *Milde.* Var. *cylindricum* Schimp.

Limestone rocks and walls. Frequent.

First record, *N.H. Tutb.*, 1863.

L. Frequent in the Buxton district, *Braithw.* Castleton, *Holt in Braithw.* Dovedale, *Purchas.* Monk's Dale; Cressbrook; near Monyash; Taddington Dale; Horseshoe Dale, *Barker.* Via Gellia, *Armitage.* Ashford; Harborough Rock; walls, Kniveton.

G1. Chapel-en-le-Frith, *Holt in Braithw.* Near Bonsall Plane, Fernilee, *Barker.* Wall of road, Edale.

G2. Near the Station, Cromford; walls, Grindleford.

P. Cresswell Crags; Pleasley Park; Upper Langwith.

T1. Snelston lime quarries; near the waterwheel, Shirley Park.

T3. Repton, *Rept. F. & F.* Calke, *Bloxam.* Swarkeston Bridge.

O. cupulatum *Hoffm.*

Walls, rocks, especially on limestone. Frequent.

First record, *N.D.M.*, 1894.

L. Dovedale, Ley. Chee Dale; Ashford; Taddington Dale; Monk's Dale; Bradwell; near Hindlow, *Barker*. Cromford, *Hb. Mason*. Between the Winnatts and Perryfoot.

G1. Chapel, *Barker*.

P. Pleasley Park; Scarcliffe Park; Cresswell Crags; Markland Grips.

Var. *nudum* Braithw. *Braithwaite*, 1889.

L. Miller's Dale; Monsal Dale, *Holt* (1884) *in Braithw.* Chee Dale, *N.D.M.* Cromford, *Hb. Mason*. Dovedale, *Bindley*. Deep Dale; between Brough and Bradwell; Harborough Rock; by Scow Brook, near Hognaston.

G1. On limestone at Combes Reservoir, and above it by the railway.

T1. Snelston lime quarries.

O. leiocarpum *B. & S.* *O. striatum* Hedw.

On trees. Rare.

First record, *Bloxam MS.*, 1833.

L. Between Ashbourne and Thorpe, *Garner*.

T1. Kirk Langley, *Bindley*.

T3. Calke, *Bloxam*.

O. Lyellii *Hook. & Tayl.*

On trees. Rare.

First records, *Eng. Bot. Supplt.*, 1843; *Garner*, 1844.

L. On a tree, Ashwood Dale, *N.D.M.* Thorpe, *Garner*. Between Alport and Bakewell, roadside near Haddon Hall, *Barker*.

G2. Stanton Park, Oct., 1833, *Supplt.*, *E.B.*

O. affine *Schrad.*

On trees, wood, and walls. Frequent.

First record, *Bloxam MS.*, 1833.

L. On trees, Topley Pike, *N.D.M.* Very scarce near Buxton, on hawthorn stems, Ashwood Dale, *Ley*. Burbage; near Parwich, *Barker*. Dovedale, *Bindley*. On trees by the roadside near Fenny Bentley; Via Gellia; Scow Brook, near Hognaston.

G1. On walls, Chapel-en-le-Frith; near Whaley Bridge, *N.D.M.* North end of Combes Reservoir, *Barker*. Near Clough Farm, Edale.

G2. Froggatt.

T1. Mickleover; Dalbury, *Bindley*. On trees by the brook in Shirley Park; by the brook east of Alkmonton; by Bradley Brook; Edlaston Coppy, on elders.

T3. Calke, *Bloxam*.

Var. *rivale* Wils. *Braithwaite*, 1889.

L. By R. Wye, Chee Dale, *Whitehead* (1878) *in Braithw.* Miller's Dale, *Holt in Braithw.* Monsal Dale, *N.D.M.* Monk's Dale, *Barker.*

T1. Brailsford Brook, below Culland.

O. rivulare *Turn.*

On rocks and roots of trees by streams. Rare.

First record, *Braithwaite*, 1889.

L. R. Wye, Chee Dale, *Whitehead* (1878) *in Braithw.*

O. Sprucei *Mont.*

On trees by streams. Rare.

First record, *London Journ. Bot.*, No. 40, 1845.

L. On trees by the Derwent, Matlock, *Spruce in Lond. J.B.*

O. stramineum *Hornsch.*

On trees in sub-alpine districts. Rare.

First record, *Braithwaite*, 1889.

L. Matlock Bridge, *Spruce* (1884) *in Braithw.* Monsal Dale, *Holt in Braithw.*

O. tenellum *Bruch.*

On trees. Rare.

First record, *London Journ. Bot.*, *No.* 40, 1845.

L. Matlock Bridge, *Spruce in Lond. J.B.*

O. diaphanum *Schrad.*

On trees, posts. Frequent.

First record, *Bloxam MS.*, 1833.

L. Miller's Dale; Matlock Bath, *N.D.M.* Cromford, *Hb. Mason.* Dowel Dale, near Hindlow; between Sandybrook and Thorpe; near Kniveton; between Duke's Drive and Harper Hill.

G1. Fernilee, *N.D.M.* Chapel; near Combes, and north end of Reservoir.

P. Between Belph Moor and Cresswell Crags; Upper Langwith; Scarcliffe Park; Pleasley Park; Markland Grips; on a roof at Whitwell.

T1. Mickleover; Findern, *Painter*, *Nat*^{t}.

T3. Calke, *Bloxam.*

XII. SCHISTOSTEGACEÆ.

SCHISTOSTEGA *Mohr.*

S. osmundacea *Mohr.* *Mnium* Dicks.

Damp crevices of sand rocks. Rather rare.

First record, *Hook. Br. Fl.*, 1833.

G1. Charlesworth; New Mills, *Natt* (*Whitehead*). Stirrup Wood, *Buxton.*

G2. Entrance of subterranean gallery in Rowtor Rocks, Birchover, *Bowman in Br. Fl.* Between Rowsley and Stanton, *Ley.* Cratcliffe Tor, near Youlgreave, *Pullinger in N.D.M.* Robin Hood's Stride.

T3. Stone quarry, Repton Rocks, *Hb. Mason.*

XIII. SPLACHNACEÆ.

SPLACHNUM *L.*

S. sphaericum *L. fil.* *S. pedunculatum* and v. *sphaericum* Braithw.

On dung on sub-alpine moorland. Rare.

First record, *Garner*, 1844.

G1. On dung upon the heath on the summit of Axe Edge, *Garner*. Kinderscout, *Nat^t.* Abundantly on the west side of Axe Edge, near Reeve-edge Quarry; William Clough; under Cuckoo Tors, near Hogshaw Reservoir, Buxton.

XIV. FUNARIACEÆ.

DISCELIUM *Brid.*

D. nudum *Brid.* *Bryum* Dicks.

Clay banks. Rare.

First record, *N.D.M.*, 1894.

G1. Clay banks, Charlesworth, *N.D.M.* Combes Reservoir, Chapel; north slopes of Combes Moss; R. Goyt, near the source, *Barker*.

EPHEMERUM *Hampe.*

E. serratum *Hampe.* *Phascum* Schreb.

Bare soil, fallows. Not uncommon.

First record, *The Naturalist*, 1886.

G1. Near Stirrup Wood, *Natt.* Hedgebank, Charlesworth, *N.D.M.*

T1. Mickleover, *Painter*, *Nat^t.* Shirley; fields by Bradley Brook, near the Hollies Farm; Hollington, Longford; between Mercaston and Cross o' th' hands.

PHYSCOMITRELLA *B. & S.*

P. patens *B. & S.* *Phascum* Hedw.

On clay margins of pools, fields. Rare.

First record, *The Naturalist*, 1889.

G1. Combes Reservoir, near the north end, Chapel, *Barker in Natt.*

G2. By brook between Youlgreave and Cratcliffe Woods, *Barker*.

Var. *Lucasiana* Schimp. *Braithwaite* 1890.

G1. Very abundant on the clay, Combes Reservoir, Chapel, *Barker* (1887).

PHYSCOMITRIUM *Brid.*

P. sphaericum *Brid.* *Gymnostomum* Ludw.

Dry mud of pools. Very rare.

First record, *N.D.M.*, 1894.

G1. Combes Reservoir, Chapel, *Barker in N.D.M.*

P. pyriforme *Brid.* *Bryum* L. *Gymnostomum* Hedw.

Bare soil, banks, mud heaps. Frequent.

First record, *Bloxam MS.*, 1833.

L. Mud of a pond at Buxton, *Ley*. Near Thorpe Cloud Station, *Barker*. Near Monyash; Great Rocks Dale; by stream north of Diamond Hill, Buxton.

G1. Near Stirrup Wood, *Nat*[t]. Charlesworth; Chapel-en-le-Frith, *N.D.M.* Combes Reservoir; Ritchie's field, Overlea, *Barker*.

P. Clowne; between Belph Moor and Cresswell Crags; Pleasley Park; by Whitwell Wood.

T1. Foston Mill, *Hb. Mason*. Mickleover, *Painter*, *Nat*[t]. Between Mercaston and Cross o' th' hands; Quarndon Common; by a pool west of Radbourn; between Longford Park and Church Broughton; Cupiss Lane, near Brailsford; fallows, Yeldersley; Shirley; Thurvaston, by Marston Montgomery.

T2. Canalside near Spondon.

T3. Calke, *Bloxam*. Winshill, *Hb. Mason*. Newhall, *N.H. Tutb.* Spurs Bottom, Repton, *Painter*, *Nat*[t].

FUNARIA *Schreb.*

F. calcarea *Wahl.* *F. Muhlenbergii* Turn.

Limestone rocks. Frequent.

First record, *Wilson*, *Bry. Brit.*, 1855. (*F. hibernica*).

L. Matlock; Miller's Dale, *Wilson in Braithw.* Castleton; Wormhill; Taddington Dale, *N.D.M.* Cromford, *Hb. Mason* Deep Dale; Monk's Dale; Dovedale, and Mill Dale, *Ley* (1870). Cales Dale; Great Rocks Dale; Duke's Drive, *Barker*. Monsal Dale; Hartle Dale, Bradwell; Monyash.

F. hygrometrica *Sibth.* *Mnium* L.

Common on banks, walls, waste ground, especially when charred by fire.

First record, *Bloxam MS.*, 1833.

Var. *calvescens* B. & S.

G1. Above Combes Reservoir, near the railway, *Barker*.

XV. MEESIACEÆ.

AMBLYODON *P. Beauv.*

A. dealbatus *P. Beauv.* *Bryum* Dicks.

Wet places on mountains. Very rare.

First record, *The Flora*.

L. Dovedale, *Barker* (1901).

AULACOMNIUM *Schwaegr.*

A. palustre *Schwaegr.* *Gymnocybe* Fr. *Mnium* L.

Bogs, swamps. Frequent.

First record, *Bloxam MS.*, 1833.

G1. Charlesworth Coombs ; Kinderscout, *Nat*[t]. Combes Moss, *N.D.M.* Marsh south of Ladder Hill, Chapel ; between Buxton and Errwood, *Barker.* Whatford Wood, Buxton, *Ley.* Under Cuckoo Tors, near Hogshaw Reservoir.

G2. Burbage Brook ; Hall Dale, Rowsley ; Darley Dale ; Dethick Common.

T1. Quarndon Wood, *Hb. Mason.* By Black Brook, Mugginton ; Hulland Moss.

T3. Calke, *Bloxam.* Repton Rocks, *Hb. Mason.*

Var. *laxifolium* Kdb.

G1. Grinds Brook, Edale, a form near this, *Barker.*

A. androgynum *Schwaegr.* *Orthopyxis* P. Beauv. *Mnium* L.

Banks, rotten wood. Frequent, except in the north of the county.

First record, *N.H. Tutb.*, 1863.

L. Meadow Place Wood, Youlgreave, *Ley* (1877). Via Gellia, *Armitage.* Parkhouse Hill, *Barker.*

G1. North end of Combes Reservoir, *Barker.*

G2. Quarry between Little Eaton and Duffield.

C. By pond, Dale Moor; roadside, Stanley.

T1. Mickleover, *Painter*, *Nat*[t]. Etwall; Hilton, *Bindley.* Shirley; roadside east of Mercaston; between Radbourn and Etwall; Dalbury Lees; Cross o' th' hands, Hulland Ward.

T3. Stapenhill; Willington, *Hb. Mason.* Brizlincote, *N.H. Tutb.* North side of Robin Wood, near Stanton; Melbourne; roadside east of Bretby Park.

XVII. BARTRAMIACEÆ.

BARTRAMIA *Hedw.*

B. Oederi *Sw.* *Bryum* Gunn. *Bartramia gracilis* Floerke.

Limestone rocks. Frequent.

First record, *The Naturalist*, 1887.

L. Near Buxton, *Wilson* (1831) *in Nat*[t]. Limestone rocks, Castleton, *N.D.M.* Lover's Leap; Dovedale, *Ley.* Conies Dale; Cales Dale; Via Gellia, *Barker.* Hartle Dale, Bradwell; Lathkil Dale, near Monyash; Great Rocks Dale.

B. pomiformis *Hedw.* *Bryum* L.

Sandy banks, among rocks. Frequent.

First record, *N.H. Tutb.*, 1863.

G1. Stirrup Wood; Charlesworth Coombs; Kinderscout, *Natt.* Goyt's Bridge, *Ley.* Elnor Lane, near Horwich End, Fernilee, *Barker.*

C. Bank of road, Dale Moor.

T1. Etwall, *Bindley.* Shirley, lane near the Vicarage; Edlaston; abundant in Bradley Wood; between Mercaston and Cross o' th' hands; on tree stem by brook below Hulland Hall; roadside near Quarndon Common; Slack Lane, Brailsford; roadside, Ashbourne Hill; Hilton Common.

T3. Bank between Stapenhill and Drakelow, *Hb. Mason.* Egginton Repton, *Painter*, *Nat*^{t}. Anchor Church, *Bindley.*

PHILONOTIS *Brid.*

P. fontana *Brid.* *Mnium* L.

Bogs, swamps, mountain rivulets. Frequent.

First record, *N.H. Tutb.*, 1863.

L. Dovedale, *N.H. Tutb.*

G1. Kinderscout, *Nat*^{t}. Charlesworth Coombs; Fernilee; Castleton, *N.D.M.* Edale Head, *Ley.* Goyt's Clough; Hogshaw Brook, Buxton; Hollinworth Clough; Combes; Chapel, *Barker.* Ollerbrook and Grinds Brook, Edale.

G2. Near Higgar Tor, Hathersage; Bar Brook, Baslow.

T1. Cupiss Lane, Brailsford; bog below Bradley Wood; Shirley Park; Hulland Moss.

T3. Repton Rocks, *Hb. Mason.*

P. adpressa *Ferg.*

Mountain rills and wet places. Rare.

First record, *The Flora.*

G1. Near Whitehall, between Buxton and Whaley, *Barker.*

P. calcarea *Schimp.* *Bartramia* B. & S.

Bogs, especially in limestone. Rare.

First record, *The Naturalist*, 1886.

L. Chee Dale, male plants, *N.D.M.* Monk's Dale, *Ley* (1881). In rivulet running into Great Rocks Dale.

G1. Kinderscout, male plants, *Nat*^{t}. Moor near "Surprise View," Hathersage, *Carr.* Grinds Brook, Edale, *Barker.*

BREUTELIA *Schimp.*

B. arcuata *Schimp.* *Mnium* Dicks. *B. chrysocoma* Lindb.

Damp mountain rocks. Rare.

First record, *Garner*, 1844.

L. Chee Dale, *N.D.M.* Ravensdale, *Ley* (1881). Dovedale, *Purchas.* Deep Dale and Horseshoe Dale, near Buxton.

G1. Kinderscout, *Nat*^{t}. (*Whitehead*).

XVIII. BRYACEÆ.

LEPTOBRYUM *Wils.*

L. pyriforme *Wils.* *Mnium* L.

Damp limestone or sandstone rocks, old quarries. Rather rare.

First record, *N.H. Tutb.*, 1863.

L. Shady limestone rocks, Castleton, *N.D.M.* Dove Holes, Dovedale, *Barker.*

G2. In old quarry between Little Eaton and Brackley Gate.

T1. Stonework, Mickleover, *Painter*, *Natt.* Bog below Bradley Wood.

T3. Newton Lane, *Hb. Mason.*

WEBERA *Hedw.*

[**W. polymorpha** *Schimp.*

G1. Kinderscout, *Nat*[t].

This was an error.]

W. cruda *Schwaegr.* *Pohlia* Lindb. *Bryum* L.

Mountain rocks. Rather rare.

First record, *N.D.M.*, 1894.

L. Miller's Dale, *Holt in N.D.M.* Castleton, *N.D.M.* Ravensdale; Greensides, near Hollins Clough, with fruit, *Ley* (1881). Great Rocks Dale; Duke's Drive; Cales Dale; Back Dale; Dovedale, *Barker.* Kirkdale, Ashford; Hartle Dale, Bradwell; north side of Harper Hill.

W. nutans *Hedw.* *Pohlia* Lindb. *Bryum* Schreb.

Moors, rocks, woods. Common.

First record, *Eng. Bot.*, 1804.

G1. Axe Edge, *Garner.* Ernocroft, *Natt.* Fernilee, *Barker.* Ollerbrook, Edale; Grinah Stones, Bleaklow Hill; Stanage Edge; William Clough; Hull End, and Cowburn, Chapel.

G2. Whatstandwell, *Armitage.* About rocks on Cromford Moor, *E.B.* Bar Brook, Baslow; Hall Dale, Rowsley; Harland Edge, Beeley; Dethick Common.

C. Calow, near Chesterfield.

P. Scarcliffe Park.

T1. Mickleover; Etwall, *Bindley.* Shirley; Wyaston; by Cubley Brook; Bradley Wood; Dalbury Lees; Quarndon Common; Hulland Moss.

T3. Moist railway bank, Gresley; Repton Rocks, *Hb. Mason.*

Var. *longiseta* B. & S

G1. Marsh south of Ladder Hill, Chapel, *Barker.* Quarries at Hogshaw Reservoir, Buxton.

G2. Harland Edge, Beeley.

Var. *bicolor* Schimp.

T1. Shirley Park.

Var. *caespitosa* B. & S.

G1. Combes; Chapel-en-le-Frith, *Barker*.

[**W. cucullata** *Bruch*.

N.D.M. (*Whitehead*), 1894, was an error, the plant being a form of *W. nutans* in the opinion of Messrs. Barker and Dixon. See *Naturalist*, 1902, 131.]

W. annotina *Schwaegr*. *Pohlia* Lindb. *Mnium* L.

Sandy places, lanesides, paths in woods, among rocks. Frequent.

First record, *The Naturalist*, 1886.

L. Quarry north side of Harper Hill.

G1. Kinderscout; Charlesworth Coombs, *Nat*[t]. On old roads, Chapel; Hollinworth Clough, *Barker*. Brook above Wash, Chapel; and south side of Combes Reservoir; Edale; R. Westend.

G2. Burbage Brook, *Barker*.

T1. Shirley Park; quarry between Mugginton and Cross o' th' hands; laneside between Old Yeldersley and Hollies Farm; between Brailsford and Brailsford Park.

T2. Canal-side near Spondon.

T3. Ticknall, *Painter*, *Natt*.

Var. *proligera* Correns. Var. *tenuifolia* Schimp.

G1. William Clough; Fernilee; Cowburn; Chapel, beyond Wash, and in many other places, *Barker*.

Var. *erecta* Correns. *W. Rothii* Limpr.

G1. William Clough; Chapel; Fernilee, *Barker*.

T1. By Hulland Moss.

Var. *annotina* Hedw. emend.

G1. Damp ditchsides, Lanehead Farm, Fernilee; brook above Combes Reservoir, *Barker*.

Var. *bulbifera* Correns.

G1. Wet ditch, old road, south end of wood above Lanehead Farm, Fernilee; roadside, Cadster, Chapel, *Barker*.

T1. By Hulland Moss.

Var. *angustifolia* Schimp. Probably a form of v. *proligera*.

G1. Castleton, *West in N.D.M.*

W. carnea *Schimp.* *Pohlia* Lindb. *Bryum* L.

Clay banks, often by streams. Frequent.

First record, *Bloxam MS.*, 1833.

L. Cales Dale; Thorpe Cloud Station, w. fr; Chee Dale, *Barker.*

G1. Clay banks at Charlesworth, *N.D.M.* Stirrup Wood, *Nat^t.* Fernilee, Chapel; wet place above Combes Reservoir, *Barker.*

C. Near Calow Green, Chesterfield.

T1. Damp railway bank, Mickleover, *Painter*, *Nat^t.* By Osmaston Ponds; by brook east of Alkmonton; Brailsford Brook; Marston Brook; Bradley Brook; Hulland Moss.

T3. Calke, *Bloxam.* Pistern Hill, *Purchas.* Railway near Drakelow, *Hb. Mason.*

W. albicans *Schimp.* *Pohlia* Lindb. *Bryum* Wahl.

Clay banks by steams. Frequent.

First record, *The Naturalist*, 1886.

L. Dale End, above Dovedale, with fruit, *Ley* (1879). Cressbrook; Deep Dale; Taddington, *Barker.* Lathkil Dale; Great Shacklow Wood, Ashford; Conies Dale; Hartle Dale, Bradwell.

G1. Charlesworth, *Natt.* Banks at Castleton; Stenior Clough; Stirrup Wood; Kinderscout, *N.D.M.* Hollinworth Clough; Fernilee; near Hogshaw Reservoir; Combes; railway near Cadster, and beyond Wash, Chapel, *Barker.* Ollerbrook, and Crowden Brook, Edale; Ashop Clough, with fruit.

T1. Mickleover, *Bindley.* Shirley Park and Brook, with fruit; near Brailsford Brook; Quarndon Common; Bradley Brook; Thurvaston, near Marston Montgomery; copse east of Alkmonton.

T3. Repton Rocks, *Hb. Mason.*

PLAGIOBRYUM *Lindb.*

P. Zierii *Lindb.* *Bryum* Dicks. *Zierii julacea* Schimp.

Damp clefts of rocks, especially limestone. Rather rare.

First record, *Manch. Crypt. Soc.*, 1879.

L. Cressbrook, *Manch. Crypt. Soc.* (*Holt*). Cave Dale, Castleton, *West in N.D.M.* Cales Dale; Duke's Drive, and Ashwood Dale, *Barker.* Monsal Dale; Hartle Dale, Bradwell.

BRYUM *Dill.*

B. filiforme *Dicks.* *B. julaceum* Sm.

Rocks in mountain streams. Rare.

First record, *Fl. Ashton*, 1888.

G1. Edale, *Holt in N.D.M.* Kinderscout, *Fl. Ashton.*

B. pendulum *Schimp.* *Ptychostomum* Hornsch. *B. cernuum* B. & S.

Walls, dry slopes. Not uncommon.

First record, *N.H. Tutb.*, 1863.

L. Bradwell; near Cressbrook Mill; Cales Dale; Horseshoe Dale; Ashford; Dovedale; Ashwood Dale, *Barker*. Walls, Castleton, *Dixon in M.E.C. Rep. for* 1900. Lathkil Dale.

G1. Wall near Chapel-en-le-Frith, *N.D.M.* Mellor, *Natt.* Goyt's Clough; Barren Clough, Bugsworth; Fernilee, *Barker*.

T3. Repton Rocks; Foremark, *N.H. Tutb.*

B. inclinatum *Bland. Pohlia* Sw.

Walls, dry places. Frequent.

First record, *The Naturalist*, 1886.

L. Wall in Miller's Dale, *N.D.M.* Bradwell; Cales Dale; Lathkil Dale; Ashwood Dale; Great Rocks Dale; Horseshoe Dale; Monk's Dale, *Barker*. Dovedale, *Bindley*. Rocks above Cressbrook Mill.

G1. Mellor, *Natt.* Shallcross Plane, and near brook above Shallcross Farm, and old railway, Fernilee; Barren Clough, Bugsworth, *Barker*. On railway bridge, going towards Wash, Chapel.

G2. Cromford.

P. Markland Grips, Clowne.

T1. Mickleover, *Bindley*.

T3. Wall at Melbourne.

B. uliginosum *B. & S. Cladodium* Brid. *Didymodon cernuus* Sw. *Bryum* Lindb.

Bogs, or wet sand. Rare.

First record, *The Flora*.

G1. Near Buxton, *Barker* (1898).

B. pallens *Sw.*

Wet places, streamsides. Frequent.

First record, *Purchas*, 1862.

L. Ashwood Dale; Miller's Dale; Monsal Dale; Matlock, *N.D.M.* Via Gellia, *Ley* (1887). Dovedale, *Purchas*. Castleton, *Carr*. Cales Dale; Horseshoe Dale, *Barker*. Near Chrome Hill; on the south-east side of Youlgreave; Kniveton Brook.

G1. Chapel-en-le-Frith, *N.D.M.* Edale; Combes; Fernilee, *Barker*. Fairbrook, Woodlands; William Clough; Hogshaw Quarry, near Buxton.

G2. Cromford Moor, *Armitage*. Burbage Brook; Grindleford.

P. Steetley Quarry; Belph Moor.

T1. By Bradley Brook; Shirley Park; Black Brook, Mugginton; Hulland Moss.

T3. Willington, *Painter*, *Natt.*

B. bimum *Schreb.*

Bogs, marshes. Rare.

First record, *Painter*, *Natt.*, 1901.

G1. Shallcross Plane, Horwich End, Fernilee, *Barker*.

P. Damp Quarry near Springfield Farm, Whitwell.

T1. Boggy place, Findern, *Painter*, *Natt.* Boggy ground below Bradley Park Farm, near Bradley Brook; by Brailsford Brook, below Edlaston; Hulland Moss; between Shirley Park and Mill.

B. pseudotriquetrum *Schwaegr.* *Mnium* Hedw. *B. ventricosum* Dicks.

Bogs, streamsides, mostly on mountains. Frequent.

First record, *Buxton's B.G.*, 1849.

L. Monk's Dale, *Ley* (1881). Dovedale, *Purchas.* Castleton, *Carr.* Miller's Dale, *Barker.*

G1. Near Woodhead, male plant; Charlesworth, *N.D.M.* Stirrup Wood, *Buxton.* Kinderscout, *Nat*[t]. Hollinworth Clough; Fernilee; Chapel, *Barker.* William Clough; Roych Clough; Grinds Brook, Edale; between Axe Edge and Buxton.

G2. Moor near "Surprise View," Hathersage, *Carr.* Padley Wood, Grindleford.

B. pallescens *Schleich.*

Rocks, walls, boggy places. Rather rare.

First record, *Braithwaite*, 1892.

L. Monsal Dale, *Holt* (1879) *in Braithw.* Bradwell, *Snelgrove.* Buxton, *Bindley.* Youlgreave, by the pathway towards Cratcliffe Wood.

P. In a small quarry at Clowne.

T1. Bog below Bradley Wood.

B. affine *Lindb.* *Webera* Bruch.

Damp rocks and walls. Rare.

First record, *Braithwaite*, 1892.

L. or G1. Buxton, *Hunt* (1871) *in Braithw.*

G1. Combes Moss; on the railway bridge at Cadster, and in a quarry near, *Barker.*

"This species is more like *B. intermedium* than *B. pallescens*, the leaf border being stronger than that of the former, and the capsule different," *Barker.*

B. intermedium *Brid.*

Damp places, by walls. Rare.

First record, *N.H. Tutb.*, 1863.

L. Walls, Miller's Dale, *N.D.M.*

G1. Charlesworth Coombs, *Nat*[t]. Shallcross Plane, Horwich End, Fernilee quarry at Lightwood Reservoirs, *Barker.*

T3. Stapenhill; Repton Rocks, *N.H. Tutb.* Newton Solney, *Painter*, *Natt.*

B. caespiticium *L.*

Walls, rocks, dry slopes. Common.

First record, *Bloxam MS.*, 1833.

L. Walls near Tideswell and Bakewell, *N.D.M.* Bradwell; near Monyash; Stony Middleton; Dovedale, *Barker.* Brassington Rocks, and walls near; Kniveton.

G1. Lady Bower, Ashopton; Goyt's Clough; Barren Clough, Bugsworth beyond Wash, Chapel; Fernilee, *Barker.* Chapel-en-le-Frith.

P. Upper Langwith; Steetley Quarry.

T1. Mickleover; Derby, *Painter, Nat^t.* By Bradley Brook.

T3. Calke, *Bloxam.* Ticknall, *Purchas.* Ingleby, *Painter, Nat^t.*

Var. *imbricatum* B. & S.

L. Doveholes; Buxton, *Barker.*

G1. Near Buxton; Whaley Bridge, *Barker.*

P. On a roof at Whitwell.

B. capillare *L.*

Walls, rocks, woods. Common.

First record, *Bloxam MS.*, 1833.

L. Cromford, *Hb. Mason.* Matlock Bath, *Armitage.* Castleton, *Carr.* Near Cressbrook; Monyash; Horseshoe Dale; near Taddington; Dovedale, *Barker.* Haddon, *Bindley.* Brough, Bradwell; Chee Tor; R. Dove, by Chrome Hill.

G1. Charlesworth; Mellor, *Nat^t.* Fernilee; Chapel, *Barker.* Frequent on walls, *N.D.M.*

G2. Duffield, *Painter, Nat^t.* Whatstandwell.

P. Markland Grips; Cresswell Crags; Clowne; Belph Moor; Scarcliffe Park.

T1. Mickleover; Quarndon, *Painter, Nat^t.* Burnaston; Etwall; Markeaton, *Bindley.* Blackwall; Lower Thurvaston, Longford; Shirley Park; Snelston lime quarries; Cubley Brook; Wyaston; Radbourn.

T3. Calke, *Bloxam.* Knowl Hills; Repton, *Painter, Nat^t.* Anchor Church, *Bindley.*

Var. *macrocarpum* Hueben.

L. Wall at Castleton, *N.D.M.* Dovedale.

P. Scarcliffe Park.

T1. Snelston lime quarries.

Var. *Ferchelii* B. & S.

L. Neighbourhood of Buxton, new to England, *Barker in N.D.M.*

B. erythrocarpum *Schwaegr.* *B. sanguineum* Brid.

Dry ground, banks, among rocks. Rare.

First record, *The Flora.*

L. Bradwell; Horseshoe Dale; near Taddington, *Barker.* Brassington Rocks?

G1. Barren Clough, Bugsworth; roadside near Cadster, Chapel, *Barker.*

B. bicolor *Dicks.* *B. atropurpureum* W. & M.

Banks, roadsides. Not uncommon.

First record, *N.D.M.*, 1894.

L. Ashwood Dale, *N.D.M.* Dovedale; Horseshoe Dale; Ashford; near Taddington, *Barker.* Between Hopton and Wirksworth; between Fenny Bentley and Ashbourne.

G1. Srigley's Quarry, with fruit; quarry at old toll-bar; old road, Lanehead Farm to Wythen Lache; roadsides in Fernilee and Chapel, in many places; Lightwood Road, Buxton, *Barker.*

G2. Darley Moor, Matlock.

P. Clowne; Steetley Quarry.

T1. Mickleover, *Bindley.*

T3. Willington, *Painter, Natt.*

Var. *gracilentum* Tayl.

G1. Near Castleton, *West in N.D.M.*

B. murale *Wils.*

Wall tops. Rare.

First record, *Ley MS.*, 1898.

L. Wall top at Cressbrook Mills (*teste H. Boswell*), *Ley* (1877).

G1. Along the railway between Horwich End and Combes, in several places; Overlea, Fernilee, *Barker.*

B. argenteum *L.*

Waste ground, roadsides, paths, wall tops. Common.

First record, *Bloxam MS.*, 1833.

Generally distributed and abundant in every situation.

Var. *lanatum* B. & S.

G2. On tree trunk by R. Derwent between Matlock and Darley; wall top, Hathersage road, Grindleford.

B. roseum *Schreb.* *Mnium* Weiss. *B. proliferum* Sibth.

Sandy banks, limestone dales. Rather rare.

First record, *N.D.M.*, 1894.

L. Cressbrook, *Holt in N.D.M.* Chee Dale; Castleton, *N.D.M.* Above Lover's Leap, *Barker.*

G1. Stirrup Wood, Charlesworth, *N.D.M.*

T1. Ashbourne, *Hb. Mason.*

T3. Knowl Hills, *Hb. Mason.*

MNIUM *L.*

M. affine *Bland.* *M. cuspidatum* Neck. *M. serpyllifolium* β *cuspidatum* L.

Woods, dales. Frequent.

First record, *N.D.M.*, 1894.

L. Monsal Dale; Matlock, *N.D.M.* Hartle Dale, Bradwell.

G1. Corbar Hill, Buxton.

T1. By Wyaston Brook; Shirley Park; by Brailsford Brook, below Ednaston.

Var. *elatum* B. & S. *M. Seligeri* Jur.

L. Monk's Dale; Fairfield Common, *Barker.*

G1. Above Combes Reservoir; Hogshaw Brook; Wildmoor, Clough, *Barker.*

G2. By path to Cratcliffe Tor, *Barker.*

T1. Between Shirley Park and Mill.

Var. *rugicum* B. & S.

L. Monsal Dale, *Holt in N.D.M.*

M. cuspidatum *Hedw. M. silvaticum* Lindb.

Woods, rocks. Frequent.

First record, *N.D.M.*, 1894.

L. Chee Dale; Matlock, *N.D.M.* Cales Dale; Horseshoe Dale; Monk's Dale, *Barker.* Matlock Bath.

G1. Near Buxton; Fernilee, *Barker.* Edale.

P. Pleasley Park.

T2. By a pool near Trent station.

T3. Anchor Church, *Painter*, *Nat*^{t}.

M. rostratum *Schrad.*

Rocks, banks. Frequent.

First record, *Buxton's B.G.*, 1849.

L. Lover's Leap, Ashwood Dale, *N.D.M.* Matlock Bath, *Armitage.* Castleton; Cales Dale; Horseshoe Dale; Great Rocks Dale, *Barker.* Dovedale, *Purchas.* By Diamond Hill, Buxton; Hartle Dale, Bradwell.

G1. Stirrup Wood; Whitebottom Wood; Charlesworth, *Nat*^{t}. Right bank of Goyt below Marple Aqueduct, not unfrequent, *Buxton.* Chapel; Combes Reservoir; Fernilee, Shallcross Plane, *Barker.* Brook below Nithen End, Buxton.

C. Near Calow Green, Chesterfield.

P. Markland Grips, Clowne.

T1. By Bradley Brook; Shirley Park.

T3. Spinny between Calke and Melbourne; Anchor Church, *Purchas.* Foremark, *Painter*, *Nat*^{t}.

M. undulatum *L. Bryum ligulatum* Schreb.

Woods, copses. Common.

First record, *Bloxam MS.*, 1835.

L. Ashwood Dale; Monsal Dale; Matlock, *N.D.M.* Matlock Bath, *Armitage.* Cromford, *Garner.* Cressbrook; Duke's Drive; Cales Dale; Horseshoe Dale, *Barker.* Buxton.

G1. Slackhall, Chapel; Combes, *Barker*.

G2. Marshy ground by Cratcliffe Wood, Birchover.

C. Sutton Spring Wood, near Chesterfield.

P. Markland Grips, Clowne.

T1. Mickleover, *Painter*, *Nat*^{t}. Shirley Park; by Bradley Brook.

T3. Poker's Lees, Calke, with fruit, *Bloxam*. Bretby, *Painter*, *Nat*^{t}.

M. hornum *L.*

Woods, shady banks. Common.

First record, *Bloxam*, 1833.

L. Horseshoe Dale, *Barker*.

G1. Stirrup and Ernocroft Woods, *Nat*^{t}. Fernilee, *Barker*. Near Wash, Chapel; near the Snake Inn; Grinds Brook, and by R. Noe, Edale.

G2. Whatstandwell, *Armitage*. Padley Wood, Grindleford, *Gibbs*.

C. Dale Abbey, *Bindley*.

T1. Bradley Wood; Cupiss Lane, Brailsford; Edlaston Coppy.

T2. Dale Woods; Ockbrook, *Painter*, *Nat*^{t}.

T1. Calke, *Bloxam*. Drakelow, *Hb. Mason*. Repton Rocks; Anchor Church, *Purchas*. Foremark, *Painter*, *Nat*^{t}.

M. serratum *Schrad.* *M. marginatum* P. Beauv. *Bryum* Dicks.

Rocks near streams. Not uncommon.

First record, *N.H. Tutb.*, 1863.

L. Near Buxton, *Wilson* (1831). Matlock, *N.D.M.* Dovedale, *Purchas*. Lathkil Dale; Duke's Drive, *Barker*.

G1. Fernilee Wood, *Gordon in N.D.M.* Clough near old tollbar, Fernilee, *Hb. Whitehead*. Foot of bridge near old tollbar, Fernilee, *Barker*.

M. stellare *Reich.*

Woods, rocks. Not uncommon.

First record, *London Journ. Bot.*, *No.* 40, 1845.

L. The Winnatts, Castleton, with fruit, *Holt* (1882) *in Nat*^{t}. Odin Mine, with fruit, *Holt* (1882) *in N.D.M.* Ashwood Dale; Taddington Dale, *N.D.M.* Ravensdale, *Ley*. Dovedale, *Armitage*. Matlock Bath, *Lond. J.B.* Bradwell; Lover's Leap, *Barker*. Monk's Dale; Cales Dale.

G1. Rocky woodland near Whatstandwell Station.

C. Linacre Wood, Old Brampton.

M. punctatum *L.* *M. serpyllifolium* Neck.

Sandy ground, woods, among rocks. Frequent.

First record, *Bloxam MS.*, 1833.

L. Dovedale, *Hb. Mason*. Via Gellia, *Armitage*.

G1. Stirrup Wood, *Nat*^{t}. Chapel; Fernilee, *Barker*. Ollerbrook, and by R. Noe, Edale; near the Snake Inn; wet bank under Burbage Edge.

G2. Padley Wood, Grindleford, *Gibbs*. Moor near "Surprise View," Hathersage, *Carr*. Depth o' Lumb, Belper, *Painter*, *Nat*^{t}. Near the Peacock Inn.

C. Dale Abbey, *Bindley*.

P. Pleasley Park; Markland Grips; Cresswell Crags; Scarcliffe Park.

T1. Mickleover, *Painter*, *Nat*[t]. Edlaston Coppy; Cubley Brook; by Wyaston Brook; by Brailsford Brook, below Ednaston.

T2. Dale Woods, *Painter*, *Nat*[t].

T3. Calke, *Bloxam*. Gorsty Lees Wood, *Purchas*. Knowl Hills, *Painter*, *Nat*[t]. Egginton, *Bindley*.

Var. *elatum* Schimp.

G1. Dimpus Clough, near Chinley.

M. subglobosum *B. & S.* *M. pseudopunctatum* B. & S.

Bogs, swamps. Not uncommon.

First record, *The Naturalist*, 1886.

G1. Carmeadow, Hayfield; Charlesworth Coombs, *Natt.* Kinderscout, *N.D.M.* Hollinworth Clough; Grinds Brook, Edale; by Tunstead Farm, Chapel, *Barker*.

G2. Burbage Brook, *Barker*. Harper Lees, Hathersage.

C. Linacre Wood, Old Brampton.

T1. Edlaston Coppy; bog below Bradley Wood; Hulland Moss.

XIX. FONTINALACEÆ.

FONTINALIS *Dill.*

F. antipyretica *L.*

Streams, pools. Common.

First record, *Bloxam MS.*, 1833.

L. Not uncommon in the streams on the limestone, such as the Wye, Dove, and Lathkil rivers, *N.D.M.* Cressbrook, *Barker*. Monk's Dale; brook near Bradbourn Mill.

G1. Combes Reservoir; Goyt's Clough, *Barker*. R. Sett, near Hayfield; small stream near the main road, above the Snake Inn; R. Westend.

G2. Small stream in Padley Wood, Grindleford.

C. Great Pond, Wingerworth.

P. Stream by Cresswell Crags.

T1. Ponds, Mickleover, *Painter*, *Nat*[t]. Brailsford Brook; R. Dove, passim; pond between Cubley and Marston; Shirley, near the Lodge Farm.

T3. R. Trent, *Bloxam*. Willington, *Bindley*.

Var. *gigantea* Sull.

L. Miller's Dale, *Holt in N.D.M.*

Var. *gracilis* Schimp.

G1. Charlesworth Coombs, *Nat*[t]. (*Whitehead*); Carmeadow, near Hayfield, *Nat*. (*Holt*).

G2. Bar Brook, Baslow, probably this.

F. squamosa *L.*

Mountain streams. Not uncommon.

First record, *Garner*, 1844.

L. Dovedale, *Garner*. R. Dove, below Chrome Hill.

G1. Kinderscout, *Nat*[t]. In the Goyt, near Fernilee, with fruit, *Clough in N.D.M.* Edale Head, *Ley* (1881). Fairbrook, and Blackdean Brook, near the Snake Inn ; R. Sett, above Hayfield ; Roych Clough, Chapel ; William Clough ; R. Westend.

G2. Bar Brook, Baslow ; Burbage Brook ; Hay Wood, Grindleford.

Var. *Curnowii* Card.

G1. Taxal, Derbs, *Handbk. Br. M.* (*Rogers*, 1878). "This seems to be a variety differing very little from the type ; the capsule in the type is properly speaking emergent (not exserted), and the apiculate perichætial bracts are attributed by good authorities to the type," *Barker in litt.*

F. Dixoni *Card. in litt.*

In mountain streams. Rare.

First record, *M.E.C. Rep.*, 1899.

G2. In stream, Chatsworth, *M.E.C.R.* (*Parker*, 1898).

XX. CRYPHÆACEÆ.

CRYPHÆA *Mohr.*

C. heteromalla *Mohr.* *C. arborea* Lindb. *Neckera* Hedw.

Tree trunks. Rare.

First record, *Bloxam MS.*, 1833.

L. Ashbourne, *Garner*.

T3. Calke, *Bloxam*.

XXI. NECKERACEÆ.

NECKERA *Hedw.*

N. crispa *Hedw.* *Hypnum* L.

Limestone rocks, and on tree roots. Frequent.

First record, *N.H. Tutb.*, 1863.

L. Dovedale, *Hb. Mason*. Chee Dale, *N.D.M.* Buxton, *Ley*. Cressbrook ; Cales Dale ; Horseshoe Dale, *Barker*. Matlock Bath, *Painter Nat*[t]. Fern Dale, Ashford ; Conies Dale, Peak Forest; Coombs Dale, near Calver; Hartle Dale, Bradwell.

G2. Padley Wood, Grindleford, *Gibbs*.

P. Belph Moor ; Markland Grips ; Scarcliffe Park.

Var. *falcata* Boul.

L. Castleton, *N.D.M.* Dovedale ; Cales Dale ; Deep Dale, Horseshoe and Back Dales ; near Lover's Leap, *Barker*. Great Rocks Dale.

P. Markland Grips, Clowne.

N. pumila *Hedw.*

Tree trunks, or rocks. Very rare.

First record, *Wils. Bry. Brit.*, 1855. "Derbyshire," no locality given.

N. complanta *Hueben.* *Hypnum* L.

Tree trunks, rocks. Frequent.

First record, *Bloxam MS.*, 1833.

L. Monsal Dale, with fruit, *Holt in N.D.M.* Cressbrook, *Holt* (1879) *in Nat*[t]. Matlock, *Hb. Mason.* Dovedale, *N.H. Tutb.* Jennings Dale, Bradwell, *Snelgrove.* Cales Dale; Horseshoe Dale; Taddington Dale; Duke's Drive, *Barker.* Dirty Rake, near Middleton Dale; Fern Dale, Ashford; Hassop Park; near Bradbourn Mill,

G1. In Green Lane, and near Cadster, Chapel, *Barker.* Mellor, *Nat*[t]. Rare on the coal measures, *N.D.M.*

P. Scarcliffe Park; near Stony Houghton; Upper Langwith; Cresswell Crags; Markland Grips.

T1. Mickleover; Littleover, *Bindley.* By Cubley Brook; Wyaston; Lower Thurvaston, Longford; Thurvaston, Marston Montgomery.

T3. Calke, *Bloxam.*

HOMALIA *Brid.*

H. trichomanoides *Brid.*

Tree trunks, shady rocks. Frequent.

First record, *Purchas*, 1859.

L. Matlock Bath, *N.D.M.* Via Gellia; Harborough Rock; Henmoor Brook below Kniveton.

G1. Fernilee, *N.D.M.* On a tree by brook near Tunstead Milton, Chapel, *Barker.*

G2. Harper Lees, Hathersage.

C. Alfreton Brook; Sutton Spring Wood, Chesterfield.

P. Markland Grips; Scarcliffe Park.

T1. Mickleover, *Painter, Nat*[t]. Peathays, Shirley; by Brailsford Brook; copses east of Alkmonton; between Cubley Common and Riddings; Dayfield Brook, Atlow.

T2. By stream below Risley Lodge Farm, Risley Park.

T3. Near the Mere Pond, Calke Park, *Purchas.*

XXII. HOOKERIACEÆ.

PTERYGOPHYLLUM *Brid.*

P. lucens *Brid.* *Hypnum* L.

Damp ground in woods; by streams and springs, mostly on mountains. Not uncommon.

First record, *Purchas*, 1860.

L. Lover's Leap, Buxton, *N.D.M.*

G1. Stirrup Wood, with fruit, *Natt.* Woods at Mellor; Fernilee; Kinderscout, *N.D.M.* Wildmoor Clough, near Buxton, with fruit, *Ley.* Fairbrook, Woodlands.

G2. Bechagg Wood, and spring under White Edge, Froggatt; Haywood, Grindleford; Eyam Moor.

T3. Brian's Copse, Calke, *Purchas.* Repton Rocks; Smisby, *N.H. Tutb.*

XXIII. LEUCODONTACEÆ.

LEUCODON *Schwaegr.*

L. sciuroides *Schwaegr.* *Hypnum* L.

Tree trunks, rarely on rocks. Rare.

First record, *Bloxam MS.*, 1833.

L. Limestone walls, Hartington, in Dovedale, *N.D.M.* With abortive setæ near Matlock and Bakewell, *Wilson.* On a tree by the roadside near Haddon Hall, *Barker.*

T1. Mickleover, *Painter*, *Natt.* Radbourn, *Bindley!*

T3. Calke, *Bloxam.*

ANTITRICHIA *Brid.*

A. curtipendula *Brid.*

Rocks, trees. Very rare.

First record, *Bloxam MS.*, 1833.

T3. Calke, *Bloxam.*

POROTRICHUM *Brid.*

P. alopecurum *Mitt.* *Thamnium* B. & S. *Hypnum* L.

Woods, hedgebanks, rocks by streams. Frequent.

First record, *Bloxam MS.*, 1833.

L. Dimminsdale, near Ashford, *Ley* (1869). Cressbrook; Horseshoe Dale, *Barker.* Dovedale; Hartle Dale, Bradwell; Lathkil and Cales Dales.

G1. Wet rocks, Charlesworth, *N.D.M.* Mellor; Whitebottom Wood, with fruit, *Natt.* Fernilee, *Barker.* Hull End, Chapel; Higher Cliff, Strines.

G2. Small stream in Padley Wood, Grindleford.

P. Markland Grips; Scarcliffe Park.

T1. Hollington and Lower Thurvaston, Longford; between Bradley and Corley; Cubley Brook.

T3. Calke, *Bloxam.*

P. angustifolium *Dixon.* *Thamnium* Holt.

Limestone springs. Very rare.

First record, *J.B.*, 1886.

L. By calcareous springs, Cressbrook; discovered by Mr. G. A. Holt in 1883. Seen in 1898, apparently not very plentiful.

XXIV. LESKEACEÆ.

LESKEA *Hedw.*

L. polycarpa *Ehrh.* *Hypnum* C.M.

Tree trunks, or stones by water. Frequent.

First record, *N.D.M.*, 1894.

L. On stones by the Wye, Chee Dale; on tree by the Wye, Miller's Dale; Cressbrook; Monsal Dale, *N.D.M.* Dovedale, *Painter*, *Nat*^{t}. Near Ashford; between Ashbourne and Fenny Bentley; Kniveton Brook; Scow Brook, near Hognaston.

G1. On trees at Combes Reservoir, and brookside below it, *Barker*.

G2. By the Derwent, in Chatsworth Park, *N.D.M.* By small stream below Cratcliffe Wood, Birchover, *Barker*. Beeley; between Matlock and Darley.

T1. Mickleover, *Painter*, *Nat*^{t}. By R. Dove, near Doveridge; Markeaton Brook; Cubley Brook; small brook east of Alkmonton; by Bradley Brook; Brailsford Brook, below Culland.

T2. Trees and stumps by a marsh at Trentlock, near Trent Station.

T3. Anchor Church, *Painter*, *Nat*^{t}.

ANOMODON *Hook. & Tayl.*

A. viticulosus *Hook. & Tayl.* *Hypnum* L.

Rocks, walls, roots of trees, mostly on limestone. Frequent.

First record, *Bloxam MS.*, 1833.

L. Miller's Dale, with fruit, *N.D.M.* Ravensdale, with fruit, *Holt in Hb. Whitehead*. Buxton, *Ley*. Dovedale, with fruit, *Purchas*. Jennings Dale, Bradwell, *Snelgrove*. Cales Dale; near Lover's Leap; Great Rocks Dale, *Barker*. Below Cucklet Church, Eyam; Via Gellia; near Thorpe; by Kniveton Brook.

P. Markland Grips; Scarcliffe Park; Upper Langwith; Cresswell Crags.

T3. Calke, *Bloxam*.

HETEROCLADIUM *B. & S.*

H. heteropterum *B. & S.* *Pterogonium* Br. *Hypnum* Spr.

Rocks by streams. Not uncommon.

First record, *The Naturalist*, 1886.

L. Via Gellia.

G1. Mellor; Stirrup Wood; Kinderscout, *Natt.* Charlesworth, *N.D.M.* Ravine south of Cadster, Chapel, *Barker*. By R. Sett, above Hayfield; Higher Cliff, Strines.

G2. Harper Lees, below Hathersage; stream from Stoke Flat, Froggatt; Burbage Brook, Hay Wood, and small stream, above the Station, in Padley Wood; by the brook at Lea.

THUIDIUM *B. & S.*

T. tamariscinum *B. & S.* *Hypnum* Hedw.

Woods, banks. Common.

First record, *Purchas*, 1860.

L. Chee Dale, *N.D.M.* Cressbrook; Dovedale; Horseshoe Dale, *Barker* Monk's Dale; Deep Dale; Hartle Dale, Bradwell.

G1. Fernilee, *N.D.M.* Mellor; Stirrup Wood; Kinderscout, *Nat*^{t}. Chapel, *Barker*.

G2. Duffield, *Painter*, *Nat*^{t}.

P. Scarcliffe Wood; Markland Grips.

T1. Mickleover; Quarndon, *Painter*, *Natt.* Hulland Moss; Shirley; Yeldersley.

T3. Southwood, Calke, with fruit, *Purchas*. Bretby, *Painter*, *Nat*^{t}.

T. recognitum *Lindb.* *Hypnum* Hedw.

Rocks, grassy places, on limestone. Rather rare.

First record, *Eng. Bot.*, 1790, and 1805.

L. Romantic rocks at Matlock Bath, 1790, and again in July, 1820, with perfect fruit (*Sir J. E. Smith*), *Wils. Bry. Brit.* Monsal Dale, *Holt in N.D.M.* Miller's Dale; Dovedale, *Painter*, *Nat*^{t}. Monk's Dale, *Manch. Crypt. Soc.*, 1886. Conies Dale, Peak Forest.

P. Belph Moor, Whitwell.

XXV. HYPNACEÆ.

CLIMACIUM *W. & M.*

C. dendroides *W. & M.* *Hypnum* L.

Marshy ground. Common.

First record, *Bloxam MS.*, 1833.

L. Matlock Bath; Cave Dale, Castleton, *N.D.M.* Buxton, *Ley*. Dovedale, *Armitage*. Bradwell, *Snelgrove*. Horseshoe Dale; Chee Dale; near Taddington; Duke's Drive, *Barker*. Middleton Dale; Cales Dale.

G1. Stirrup Wood, with fruit, *Manch. Crypt. Soc.*, 1879. Marshy meadow, Charlesworth, with abundance of fruit, *Scholefield in N.D.M.* Kinderscout, *N.D.M.* Combes Reservoir, Chapel; Fernilee, *Barker*.

G2. Froggatt; Burbage Brook, and by small stream in Padley Wood.

T1. Shirley Park; by Bradley Brook; Edlaston Coppy; by Black Brook, Mugginton.

T3. Bog, Cauldwell, *Hb. Mason*. Repton Rocks, *Purchas*. Stanton, near Burton, *N.H. Tutb.*

CYLINDROTHECIUM *B. & S.*

C. concinnum *Schimp.* *Hypnum* De Not. *Entodon orthocarpus* Lindb.

Grassy places on limestone. Rare.

First record, *N.H. Tutb.*, 1863.

L. Dovedale, *N.H. Tutb.*

T3. Ticknall, *Painter*, *Nat*[t].

PYLAISIA *B. & S.*

P. polyantha *B. & S.* *Hypnum* Schreb. *Leskea* Hedw. *Stereodon* Lindb.

Tree trunks. Very rare.

First record, *Wilson*, *Bry. Brit.*, 1855.

L. On trees, Matlock Bath, *N.D.M.*

ORTHOTHECIUM *B. & S.*

O. intricatum *B. & S.* *Leskea* Hartm. *Stereodon subrufus* Lindb.

Damp mountain rocks. Rather rare.

First record, *Manch. Crypt. Soc.*, 1879.

L. Castleton, *West in N.D.M.* Miller's Dale, *Manch. Crypt. Soc.* (*Wild*). Chee Dale, *N.D.M.* Deep Dale; Lathkil Dale, *Ley.* Bradwell; Cales Dale; near Lover's Leap, *Barker.* Chapel-en-le-Frith, *Barrett in N.D.M.* Conies Dale, Peak Forest.

ISOTHECIUM *Brid.*

I. myurum *Brid.* *Hypnum* Poll. *H. curvatum* Sw. *I. viviparum* Lindb.

Tree trunks, or rocks. Frequent.

First record, *Bloxam MS.*, 1833.

L. Lathkil Dale, *N.D.M.* Monsal Dale, *Armitage.* Bradwell, *Barker.* Dovedale.

G1. On trees, Fernilee, *N.D.M.*

G2. Stanton, *Ley.*

P. Langwith Wood; Markland Grips; Scarcliffe Park.

T1. Near Old Hall, Alkmonton; Lower Thurvaston, Longford; between Kirk Langley and Kedleston Park; Dalbury Lees; by Cubley Brook; by Black Brook, Mugginton.

T3. Calke, *Bloxam.* Burton Road, Repton, *Rept. F. & F.*

PLEUROPUS *Griff.*

P. sericeus *Dixon.* *Homalothecium* B. & S. *Hypnum* L.

Walls, rocks, tree trunks. Common.

First record, *Bloxam MS.*, 1833.

L. Dovedale; Cromford, *Hb. Mason.* Castleton, *Carr.* Bradwell, *Snelgrove.* Near Cressbrook; Horseshoe Dale; Cales Dale, *Barker.* By Hassop Park; between Sandybrook and Thorpe.

G1. Near Cadster, Chapel, *Barker* Mellor, *Nat^l.* Rare on the coal measures, *N.D.M.*

G2. Grindleford.

P. Markland Grips; Cresswell Crags; between Scarcliffe and Stony Houghton; Pleasley Park.

T1. Mickleover, *Painter*, *Natt.* Mugginton, *Bindley.* Brailsford Churchyard; Lower Thurvaston, Longford; Snelston limequarries.

T3. Calke, *Bloxam.*

CAMPTOTHECIUM *B. & S.*

C. lutescens *B. & S.* *Hypnum* Huds.

Dry banks, rocks, quarries, especially on limestone. Rather rare and local.

First record, *Bloxam MS.*, 1833.

L. Rather frequent on limestone rocks and walls; Ashwood Dale, with fruit, *Scholefield in N.D.M.* Near Wormhill, *N.D.M!* Bradwell; Horseshoe Dale; Back Dale; Cales Dale; Chee Dale; near Taddington, *Barker.* Matlock Bridge; between Lode Mill and Alsop Station.

G2. Grindleford towards Eyam; bank of road, north of Froggatt.

T3. Calke, *Bloxam.* Wood near Repton Rocks, *Painter*, *Nat^l.*

BRACHYTHECIUM *B. & S.*

B. glareosum *B. & S.* *Hypnum* Bruch.

Limestone slopes, quarries. Rather rare.

First record, *Purchas*, 1863.

L. On banks, Ashwood Dale; Over Haddon, *N.D.M.* Miller's Dale, *Hb. Mason.* Bradwell, *Snelgrove.* Cressbrook, *Barker.* Matlock Bath; near Cromford Station.

G1. Fernilee; Chapel-en-le-Frith, *N.D.M.* Bonsall Plane, *Barker*

P. Between Scarcliffe and Houghton; Cresswell Crags.

T1. Snelston limequarries.

T3. Dimminsdale, Calke; Pistern Hill, *Purchas.*

B. albicans *B. & S.* *Hypnum* Neck.

Gravelly places, wall tops. Rare.

First record, *Purchas*, 1859-63.

G1. Wildmoor Clough, *Barker.*

T3. Foremark Park, near Ticknall, *Purchas.*

B. salebrosum *B. & S.* Var. *palustre* Schimp.

Damp clay fields. Rare.

First record, *The Flora.*

T1. Clay fallows, Yeldersley Lane, near Shirley (t. *H. N. Dixon*).

B. rutabulum *B. & S.* *Hypnum* L.

Bare ground, stones, walls, trees. Very common.

First record, *Bloxam MS.*, 1833.

L. Dovedale, *Hb. Mason.* Castleton, *Carr.* Bradwell, *Snelgrove.* Cressbrook; Cales Dale; Horseshoe Dale, *Barker.* Deep Dale; near Thorpe; Dowel Dale, near Hindlow, a water form with somewhat falcate leaves.

G1. Combes; Chapel; Fernilee, *Barker*. Ollerbrook, Edale, a curious small form which Rev. C. H. Binstead thought "possibly a hybrid between *B. rutabulum* and *E. Swartzii*"; Jarvis Clough, Ashopton.

G2. Ireton, *Painter*, *Natt*. Froggatt; Grindleford, a subjulaceous form on walls.

C. Meersbrook, *Snelgrove*. Calow, near Chesterfield.

P. Pleasley Park; Scarcliffe Park; Markland Grips; Cresswell Crags stone quarry in Langwith Wood, a subjulaceous form.

T1. Mickleover; Gunn Hills, Mugginton; Mackworth, *Painter*, *Natt* Etwall, *Bindley*. Langley Common; Snelston limequarries; Shirley; Edlaston Coppy; Radbourn; by Bradley Wood; Hulland Moss, a bog form.

T2. Ockbrook, *Painter*, *Natt*.

T3. Calke, *Bloxam*. Cauldwell; Repton Rocks, *Hb. Mason*. Ticknall; Pistern Hill, *Purchas*. Repton, *Painter*, *Natt*.

B. rivulare *B. & S.* *Hypnum* Bruch.

Rocks, stones, and earth by streams. Frequent.

First record, *The Naturalist*, 1886.

L. Cressbrook; Chee Dale; Horseshoe Dale; Dovedale, *Barker*. Castleton, *Carr*.

G1. Kinderscout; Mellor; Charlesworth Coombs, *Natt*. Combes Moss; Fernilee, in the Goyt; Combes Reservoir, and beyond Wash, Chapel, *Barker*. Ollerbrook, and Grinds Brook, Edale; near Rowarth; R. Westend; Higher Cliff, Strines.

G2. Ireton, *Painter*, *Natt*.

C. Marshy margin of pond, Dale Moor.

P. Poulter Brook, Langwith Wood.

T1. Cubley Brook; Clifton; bog below Bradley Wood; Cupiss Lane, Mercaston; Hilton; by R. Dove, near Doveridge; Markeaton Brook; Dayfield Brook, Atlow; brook below Hulland Moss.

B. velutinum *B. & S.* *Hypnum* L.

Tree roots, stones, rocks. Common.

First record, *Bloxam MS.*, 1833.

L. Miller's Dale; Ashwood Dale, *N.D.M.* Bradwell, *Snelgrove*. Great Rocks Dale; Lover's Leap, *Barker*.

G1. Mellor, *Natt*. Whaley Bridge, *N.D.M.* Near Hogshaw Reservoir, Buxton; Chapel; Fernilee, *Barker*. Higher Cliff, Strines.

G2. Near Whatstandwell Station; Padley Wood, Grindleford.

C. Sutton Spring Wood, Chesterfield; bank of road, Dale Moor.

T1. Burnaston; Etwall; Radbourn, *Bindley*. Mickleover; Quarndon, *Painter*, *Natt*. Near Heathy Close, Longford Park; Wyaston; Langley Common; Shirley; Cubley; Mercaston; Markeaton Brook.

T3. Calke, *Bloxam*. Near Ticknall; Pistern Hill, *Purchas*.

B. populeum *B. & S.* *Hypnum* Hedw.

Rocks, walls. Frequent.

First record, *The Naturalist*, 1886.

L. Ravensdale, *Ley*. Near Taddington; Lover's Leap; Great Rocks Dale, *Barker*. Hartle Dale, Bradwell; Wensley Dale, near Matlock; between Thorpe and Sandybrook; Grin Woods, Buxton.

G1. Mellor; Charlesworth, *Nat*[t]. Whitebottom Wood; Fernilee, *N.D.M.* Shallcross Plane; Combes Reservoir, *Barker*. Slackhall, Chapel.

G2. Walls, Grindleford.

C. Breadsall Moor, *Painter*, *Natt*.

G2. Wall between Fox House Inn and Padley.

P. Markland Grips, Clowne.

T1. Mickleover, *Bindley*. Yeldersley; Wyaston; Mercaston; brook below Hulland Moss.

T3. Knowl Hills, *Painter*, *Nat*[t].

B. plumosum *B. & S.* *Hypnum* Sw.

Rocks by streams. Not uncommon.

First record, *Purchas*, 1862.

L. Spring by roadside, Buxton to Topley Pike; Dunstall, Via Gellia; R. Wye, Chee Dale; Kniveton.

G1. Mellor, with fruit; Stirrup Wood, with fruit, *Natt*. Near Glossop; Kinder, near Hayfield, *N.D.M.* Bank of R. Goyt; Wildmoor Clough; foot of Bonsall Plane, Fernilee; brook below Combes Reservoir, Chapel, *Barker*. Stream on Wild Moor; brook near Wash, and at Hull End, Chapel; Higher Cliff, Strines.

G2. Bar Brook, Baslow; brook below Cratcliffe Wood, Birchover.

T1. Roadside between Dalbury Lees and Trusley; Spinnyford Brook, near Hulland.

T3. Callens Lane, Calke, *Purchas*.

B. cæspitosum *Dixon.* *Scleropodium* B. & S. *Hypnum* Wils.

Tree trunks and stones, by streams. Rather rare.

First record, *N.D.M.*, 1894.

L. Miller's Dale, *N.D.M.* Cressbrook, *Holt in N.D.M.* On shady limestone, Lathkil Dale, *Ley*. Tideswell Dale, *Hb. Whitehead*. Horseshoe Dale, *Barker*. Dovedale, *Holt in Braithw.* Henmoor Brook, Kniveton.

T1. Brailsford Brook.

B. illecebrum *De Not.* *Scleropodium* B. & S. *Hypnum* Schwaegr.

Among rocks. Very rare.

First record, *The Flora*.

L. Above Mill Dale, Dovedale, *Bagnall in litt.*

B. purum *Dixon.* *Hypnum* L.

Grassy banks, woods. Very common.

First record *Bloxam MS.*, 1833.

Generall distributed and everywhere abundant.

HYOCOMIUM *B. & S.*

H. flagellare *B. & S.* *Hypnum* Dicks.

Rocks by mountain streams. Not uncommon.

First record, *The Naturalist*, 1886.

G1. Kinderscout; Charlesworth Coombs, *Nat*[t]. Stenior Clough, *N.D.M.* Wildmoor Clough; Goyt's Bridge; foot of Bonsall Plane; Hollinworth Clough; Jarvis Clough, Ashopton, *Barker*. Upper part of R. Sett; Grinds Brook and Crowden Brook, Edale; Fairbrook, Woodlands; near Black Clough, Woodhead; R. Westend; Roych Clough, Chapel.

G2. Bar Brook, Baslow; Redcar Brook, above Dore.

EURHYNCHIUM *B. & S.*

E. piliferum *B. & S.* *Hypnum* Schreb.

Woods, grassy places, roadsides. Frequent.

First record, *Bloxam MS.*, 1833.

L. Cressbrook; Over Haddon; Castleton, *N.D.M.* Cales Dale, *Barker*.

G1. Whitebottom Wood, *Nat*[t]. Fernilee, *N.D.M.* Chapel; near Overlea, *Barker*.

G2. Below Sheriff Wood, Grindleford.

P. Scarcliffe Park; Langwith Wood; Pleasley Park.

T1. Lower Thurvaston, Longford; peaty meadows by Shirley Park; Yeldersley fields; roadside near Cross o' th' hands; Breward's Car, Mugginton.

T3. Calke, *Bloxam*. Ticknall, with fruit; Pistern Hill; Knowl Hills, *Purchas*.

E. crassinervium *B. & S.* *Hypnum* Tayl.

Rocks and stones in dales and woods. Rather rare.

First record, *Wilson, Bry. Brit.*, 1855.

L. By the Wye, Chee Dale and Miller's Dale; limestone rocks, Castleton, *N.D.M.* Matlock, *Wilson in N.D.M.* Dovedale; Lathkil Dale, with fruit, *Ley*. Ashwood Dale; Cressbrook; Monk's Dale; Cales Dale; Taddington Dale, *Barker*. Kniveton Brook.

G2. Rowsley, *Ley*. By brook below Cratcliffe Wood, Birchover, *Barker!*

P. Pleasley Park; Upper Langwith.

E. praelongum *B. & S.* *Hypnum* L.

Bare ground, among grass, hedge banks, woods. Very common.

First record, *Bloxam MS.*, 1833.

Everywhere abundant.

Var. *Stokesii* Brid.

L. Cressbrook; Cales Dale, *Barker*.

G1. Between Codsor and Combes Reservoir, Chapel; Fernilee, *Barker*. By brook S.W. of Nithen End, Buxton.

T1. Ditch near Longford Church; bank of main road, Ashbourne Hill.

E. Swartzii *Hobkirk.* *Hypnum* Turn. *E. praelongum* var. *atrovirens* Schimp.

Rocks in woods, old quarries, mostly on limestone. Not uncommon.

First record, *The Naturalist*, 1886.

L. Lover's Leap, Buxton; Ravensdale, *Ley.* Near Eyam; Bradwell; Monsal Dale; near Taddington; Dovedale; Cressbrook; Cales Dale; Deep Dale; Horseshoe and Back Dales, *Barker.*

G1. Fernilee; between Cadster and Combes Reservoir, Chapel, *Barker.* Mellor; Stirrup and Whitebottom Woods, *Nat*[t].

P. Cresswell Crags; Markland Grips; Scarcliffe Park; old quarry near New Houghton; near Stony Houghton; Belph Moor; Pleasley Park.

T1. Mickleover, *Painter*, *Nat*[t]. Littleover, *Bindley.* Ditch, Longford Park; Lower Thurvaston; Etwall Common; Quarndon Common.

T3. Bretby, *Painter*, *Nat*[t].

E. pumilum *Schimp.* *Hypnum* Wils.

Limestone caves, shady rocks. Rather rare.

First record, *Manch. Crypt. Soc.*, 1879.

L. Romantic rocks, Matlock, *Wilson* (1833) *in Braithw.* Cressbrook, *Holt in N.D.M.* Wormhill, *West in N.D.M.* Dove Holes, Dovedale; near Lover's Leap, *Barker.* Hartle Dale, Bradwell; Great Shacklow Wood, Ashford.

G1. Stirrup Wood, Charlesworth, *Manch. Crypt. Soc.* Near Castleton, with fruit, *Holt in Hb. Whitehead.* Under Back Tor, Edale.

P. In caves at Cresswell Crags; Markland Grips.

E. Teesdalei *Schimp.* *Hypnum* Sm.

Shady limestone rocks. Rare.

First records, *Withering*, 1792; *Eng. Bot.*, 1794. *H. intricatum.*

L. Woods S.E. of Matlock Bath, *R. Teesdale in E.B.*, iii., 202, *with which cf.* xxxiv, 2421. Chee Dale, *Wild in Hb. Whitehead.* Miller's Dale; Ravensdale, *Holt. in Hb. Whitehead.* Mill wheel, Cromford, *Ley* (1887). Trees near Matlock, *N.H. Tutb.* Dove Holes, Dovedale, *Barker.* Lover's Leap, *Hunt* (1867) *in Braithw.*

E. tenellum *Mild.* *Rhyncostegium* B. & S. *Hypnum* Dicks.

Limestone rocks. Not uncommon.

First record, *Garner*, 1844.

L. Ravensdale, *Ley.* Bradwell; Cales Dale; Horseshoe Dale; near Lover's Leap, *Barker.* Lathkil Dale; Via Gellia; Masson Hill; Great Rocks Dale; Dovedale; Brassington Rocks.

G1. Shady wall at Mellor, *Natt.*

P. Abundant on Cresswell Crags; Scarcliffe Park; Markland Grips.

E. myosuroides *Schimp.* *Isothecium* Brid. *Hypnum* L.

Rocks, tree stumps. Rather rare.

First record, *Bloxam MS.*, 1833.

L. Dovedale, *Bindley.* Great Shacklow Wood, Ashford.

G1. Mellor; Stirrup Wood, *Nat*^{t}. Wood at Fernilee; Whitebottom Wood; Edale, *N.D.M.*

G2. Wall between Fox House Inn and Padley.

T1. Shirley Park.

T3. Calke, *Bloxam.* Repton, *Painter*, *Natt.*

E. circinatum *B. & S.* *Hypnum* Brid.

Limestone rocks. Rare.

First record, *Ley MS.*, 1898.

L. Lathkil Dale, *Ley.*

E. striatum *B. & S.* *Hypnum* Schreb.

Banks, woods, rocks. Frequent.

First record, *Bloxam MS.*, 1833.

L. Matlock, *Bindley.* Cromford, *Hb. Mason.* Horseshoe Dale; near Taddington; Dovedale, *Barker.* Cales Dale, and Lathkil Dale.

G1. Mellor, *Natt.* (*Whitehead*). Stirrup Wood; near Whaley Bridge, *N.D.M.* North end of Combes Reservoir, *Barker.*

G2. Duffield, *Painter*, *Natt.*

P. Scarcliffe, *Ley.* Langwith Wood; near Stony Houghton; Pleasley Park.

T1. Stydd, Yeaveley; between Shirley and Rodsley; Bradley; Slack Lane, Brailsford; bank of road, Ashbourne Hill.

T3. Calke, *Bloxam.* Lane between Calke and Breedon, *Purchas.*

E. striatulum *B. & S.* *Hypnum* Spruce.

Rocks in woods, limestone dales. Rare.

First record, *N.H. Tutb.*, 1863.

L. Wormhill, *West in Nat*^{t}., 1880. Dovedale? *N.H. Tutb.*

E. rusciforme *Milde.* *Rhyncostegium* B. & S. *Hypnum* Weiss. *H. rusci-folium* Neck.

Rocks and stones in streams. Common.

First record, *Bloxam MS.*, 1833.

L. Cressbrook; Dovedale; Cales Dale; Horseshoe Dale; Lover's Leap, *Barker.* Between Brough and Bradwell; Kniveton and Henmoor Brooks.

G1. Near Whaley Bridge; Stirrup Wood; Mellor, *N.D.M.* Chapel-en-le-Frith, and brook beyond Wash, *Barker.* Ollerbrook, Edale.

P. Poulter Brook, Langwith Wood.

T1. Mickleover, *Painter*, *Natt.* Radbourn, *Bindley.* Pond below Yeldersley Hall; Bradley Dam; Edlaston Coppy; Brailsford Brook; Shirley; brook below Hulland Moss.

T3. Calke, *Bloxam.* Repton Weir, *Hb. Mason.* Ticknall, *Purchas.* Foremark, *Painter*, *Nat*^{t}.

Var. *prolixum* Brid.

L. By River Derwent at Matlock Bath and a little north of Matlock Bridge.

E. murale *Milde.* *Rhyncostegium* B. & S. *Hypnum* Hedw.

Rocks, walls, especially on limestone. Frequent.

First record, *Bloxam MS.*, 1833.

L. Abundant on the limestone at Buxton, *Ley.* Dovedale; Ashford; Lover's Leap; Cressbrook; Backdale; Bradwell, *Barker.* Matlock, *Bindley.* Via Gellia; Kniveton and Henmoor Brooks.

G1. Mellor, *Nat^t.* Fernilee; Chapel, *Barker.*

G2. Froggatt; Grindleford; near Kirk Ireton.

C. Between Chesterfield and Calow Green.

P. Pleasley Park; Scarcliffe Park; Langwith Wood; Belph Moor; Cresswell Crags; Markland Grips.

T1. Mickleover, *Painter, Nat^t.* Between Mercaston and Cross o' th' hands; by Dayfield Brook, Atlow; main road, above Shirley; Brailsford.

T3. Calke, *Bloxam.* Simpson's Nook, Ticknall, *Purchas.*

Var. *julaceum* Schimp.

L. R. Lathkil, near Youlgreave, *Ley* (1877). Above Lover's Leap, Buxton; Cales Dale, *Barker.*

G1. A form near this occurs near Whaley Bridge and Buxton, *N.D.M.* Chapel; Fernilee, *Barker.*

E. confertum *Milde.* *Rhyncostegium* B. & S. *Hypnum* Dicks.

Tree trunks, stones, banks. Common.

First record, *Bloxam MS.*, 1833.

L. Horseshoe Dale, *Barker.* Via Gellia.

G1. Mellor, *Nat^t.* Fernilee; Hogshaw Reservoir, Buxton, *Barker.* Bank Hall, Chapel.

C. Sutton Spring Wood, near Chesterfield.

P. Cresswell Crags; Upper Langwith and Langwith Wood; Scarcliffe Park; Pleasley Park; Markland Grips; near Stony Houghton.

T1. Mickleover, *Painter, Nat^t.* Findern; Radbourn, *Bindley.* Snelston limequarries; Quarndon Common; Markeaton Brook; Brailsford Churchyard; Shirley Park.

T3. Calke, *Bloxam.* Drakelow, *Hb. Mason.* Ticknall, *Purchas.*

E. megapolitanum *Milde.* *Rhyncostegium* B. & S. *Hypnum* Bland.

Open stony ground. Very rare.

First record, *The Flora.*

G1. Ritchie's field, Overlea, Whaley Bridge, *Barker.*

PLAGIOTHECIUM *B. & S.*

P. depressum *Dixon.* *Rhyncostegium* B. & S. *Hypnum* Bruch.

Among rocks, base of trees. Rare.

First record, *N.D.M.*, 1894.

L. Matlock Bath; Chee Dale, *N.D.M.* Cressbrook, *Holt in N.D.M.* Lathkil Dale, *Ley.* Horseshoe Dale, *Barker.*

P. Borrerianum *Spruce.* *P. elegans* Schimp. *Hypnum* Hook.

Mostly on grit or sand rocks, coal measures. Frequent.

First record, *The Naturalist*, 1886.

L. Cressbrook, *Barker.*

G1. Common in woods at Charlesworth and other places on the coal measures, *N.D.M.* Whatford Wood, Buxton; Edale, *Ley.* Ernocroft Wood, with fruit (*Nield and Ashton*); Stirrup Wood; Kinderscout, *Nat*^{t}. Combes Moss; Fernilee; Chapel, *Barker.* Grinds Brook, Edale; Higher Cliff, Strines; Roych Clough.

G2. Stanton, *Ley.* Robin Hood's Stride, Birchover; Birchen Edge, Baslow; Harper Lees, Hathersage; Froggatt; Harland Edge, Beeley.

C. Linacre Wood, Old Brampton.

T1. Bradley Wood; Shirley Park; by Black Brook, Mugginton.

P. pulchellum *B. & S.* *Leskea* Hedw. *Hypnum* Dicks.

Shady mountain rocks. Rare.

First record, *N.D.M.*, 1894.

L. Miller's Dale, *Holt in N.D.M.* Near Duke's Drive, Buxton; Chee Dale; Monk's Dale; Dovedale, *Barker.*

P. denticulatum *B. & S.* *Hypnum* L.

Banks, woods, tree roots. Very common.

First record, *Bloxam MS.*, 1833.

Abundant in every part of the County.

Var. *aptychus* Lees.

G2. Lane between Eyam and Baslow roads, Grindleford.

T1. Bradley Wood?

T3. Southwood, Calke, *Purchas.*

Var. *majus* Boul.

L. Monk's Dale, *Barker.*

G1. Clough near old tollbar, Fernilee, "probably this," *Barker.*

Var. *sulcatum* Spruce.

L. Castleton; Miller's Dale, *N.D.M.*

G1. Common in woods, *Fl. Ashton.*

P. silvaticum *B. & S.* *Hypnum* L.

Woods, shady rocks. Rare.

First record, *The Naturalist*, 1886.

G1. Wood at Mellor, *Nat*^{t}.

C. Linacre Wood, Old Brampton?

T2. Dale Woods, *Painter*, *Nat*^{t}.

T3. Anchor Church, *Bindley?*

P. undulatum *B. & S.* *Hypnum* L.

Woods, by mountain streams, among rocks. Frequent.

First record, *Bloxam MS.*, 1833.

L. Dovedale; Matlock Bath, *Painter*, *Nat*^{t}.

G1. Common in the hilly districts; Fernilee Wood, *N.D.M.* Jarvis Clough, *Barker*. Ernocroft Wood, *Buxton in N.D.M.* By R. Westend, *Gibbs*. Charlesworth Coombs; Kinderscout, *Natt*. Edale; near Goyt's Bridge; Crowden; Higher Cliff, Strines; Corbar Hill.

G2. Stanton, *Ley*. Cromford, *Armitage*. Eyam Moor; under Raven Tor, Beeley; Littlemoor Wood, Dethick.

C. Linacre Wood, Old Brampton.

T. Shirley Park; Bradley Wood; Cross o' th' hands, Hulland Ward.

T3. Calke, *Bloxam*. Gorsty Lees Wood; Repton Rocks, *Purchas*. Drakelow Hall, *N.H. Tutb.*

P. latebricola *B. & S.* *Leskea* Wils.

On rotting stumps in woods and copses. Rather rare.

First record, *N.D.M.*, 1894.

L. Dovedale, *Painter*, *Nat*^{t}.

G1. Charlesworth Coombs, *N.D.M.*

T1. Edlaston Coppy (*t. M.B. Slater*); Shirley Park, and wet copse, Peathays, Shirley; Breward's Car, Mugginton.

T3. On elder trunks, Sharp's Bottom, Hartshorn.

AMBLYSTEGIUM *B. & S.*

A. Sprucei *B. & S.* *Leskea* Bruch. *H. confervoides* Hook. & Wils.

Shady limestone rocks, caves. Rare.

First record, *M.E.C. Rep.*, 1900.

L. Dove Holes, Dovedale (1878); near Lover's Leap, Ashwood Dale, *Barker*. In another small cave, lower down in Dovedale; Conies Dale, Peak Forest (both f. *Prof. Barker*); Monk's Dale, on tufa.

A. confervoides *B. & S.* *Hypnum* Brid.

Shady limestone rocks. Rare.

First record, *N.D.M.*, 1894.

L. Cressbrook, *Holt in N.D.M.* Taddington Dale, *Holt* (1882) *in Braithw.* Great Shacklow Wood, Ashford; Via Gellia; Monk's Dale; Lover's Leap, Buxton (*all seen and named by Prof. Barker*).

A. compactum *C.M.* *Brachythecium densum* Juratz. *Hypnum* Milde.

Limestone rocks. Very rare.

First record, *Dixon*, *J.B.*, 1900.

L. Dove Holes, Dovedale, *Dixon*.

A. serpens *B. & S.* *Hypnum* L.

Bare ground, stones, stumps. Very common.

First record, *Bloxam MS.*, 1833.

Everywhere abundant.

Var. *tenue* Schimp.

L. Near Buxton and at Cressbrook, a form of this, *Barker*. The Winnatts, *Holt* (1882) *in Braithw.*

G2. Burbage Brook, *Barker*.

A. varium *Lindb.* *Leskea* Hedw. *A. radicale* B. & S.

Tree stumps; on the ground. Rare.

First record, *N.D.M.*, 1894.

L. Dovedale; Chee Dale; Grin Wood, Buxton, *Barker*.

G1. Combes Reservoir, Chapel, *Barker in N.D.M.*

A. irriguum *B. & S.* *Hypnum* Hook. & Wils.

Rocks in streams. Rather rare.

First record, *The Naturalist*, 1886.

L. R. Wye, Blackwell; R. Dove, Dovedale, *Ley*. Matlock Bath, *Painter*, *Nat*^{t}. Castleton, *Carr*.

G1. By a rivulet, and by the Goyt, at Mellor, *Nat*^{t}. and *N.D.M.* (*Holt*). Weir where a brook comes under the railway, above Shallcross Mill, Fernilee, *Barker*.

A. fluviatile *B. & S.* *Hypnum* Sw.

Rocks in streams. Rare.

First record, *Wilson*, *Bry. Brit.*, 1855.

L. By the Wye, Chee Dale; by the Derwent, Matlock Bath, *N.D.M.* R. Dove, Dovedale; R. Wye, Miller's Dale, *Ley*.

A. filicinum *De Not.* *Hypnum* L.

By streams, on damp ground. Common.

First record, *Bloxam MS.*, 1833.

L. Castleton; Tideswell, *N.D.M.* Via Gellia, *Garner*. Dovedale, with fruit, *Purchas*. Bradwell; Horsehoe Dale; Thorpe Cloud, erect form, *Barker*. Miller's Dale, *Painter*, *Nat*^{t}. Cromford, *Hb. Mason*. Cressbrook; Monk's Dale; floor of old quarry, Duke's Drive; Ashwood Dale; Conies Dale, Peak Forest.

G1. Near Combes Reservoir, Chapel; Goyt's Clough; Fernilee, *Barker*. Edale; under Burbage Edge.

G2. Bar Brook, Baslow; Padley Wood, Grindleford; stream under Cratcliffe Tor, Birchover.

C. Near Calow Green, Chesterfield; marshy margin of pond, Dale Moor.

P. Markland Grips; Pleasley Park; Langwith Wood; Scarcliffe Park.

T1. Mickleover, *Painter*, *Nat*^{t}. By large pond, Yeldersley Hall; Mercaston; Thurvaston, near Marston Montgomery; Snelston limequarries; Shirley Park; boggy ground by Bradley Brook; Dayfield Brook, Atlow; Cubley Brook.

T2. By canal below Derby.

T3. Calke, *Bloxam*. Drakelow, a lax water form, *Hb. Mason*. Dimminsdale, with fruit; Ticknall, with fruit, *Purchas*.

Var. *Vallisclausæ* (Brid.) *A. fallax* Milde. *Wilson, Bry. Brit.*, 1855.

L. Miller's Dale, *Holt in N.D.M.* Lathkil Dale; Chee Dale; Monsal Dale, *Barker.* Buxton, *Hunt* (1871) *in Braithw.*

P. Poulter Brook, Langwith Wood.

T3. Near Calke Abbey, *Bloxam in Bry. Brit.*

Var. *trichodes* (Brid.)

L. Cressbrook, *Barker.*

HYPNUM L.

H. riparium *L.* *Amblystegium* B. & S.

Tree roots, stones, by water. Frequent.

First record, *Bloxam MS.*, 1833.

L. Matlock Bath, *Armitage.* Dovedale, *Painter, Nat^t.* Cressbrook; near Taddington, *Barker.* Henmoor Brook.

G1. Mellor, *Nat^t.* Whaley Bridge; Chapel; Combes Reservoir; near Overlea, Fernilee, *Barker and in N.D.M.* Hogshaw Quarry, and brook below Nithen End, near Buxton; R. Noe, beyond Barber Booths, and Grinds Brook, Edale.

T1. Mickleover, *Painter, Nat^t.* Brailsford Brook; Shirley; Bradley Brook; between Cubley Common and Riddings; Wyaston Brook; stone trough near Brailsford Church, a form approaching v. *longifolium* Schimp.

T2. Canal bank near Spondon.

T3. Calke, *Bloxam.* Anchor Church, *Bindley.* Brizlincote, *N.H. Tutb.* Pool west side of Repton Shrubs; Sharp's Bottom, Hartshorn.

Var. *longifolium* Schimp.

L. In R. Wye, Chee Dale, and near Haddon Hall, *Barker.*

H. stellatum *Schreb.* *Amblystegium* Lindb.

Marshes, damp clay fallows. Frequent.

First records, *Garner*, 1844, probably var. *protensum*; *Purchas*, 1862.

L. Monk's Dale, *Ley.* Via Gellia, *Armitage.* Dovedale, *Garner.*

G1. Mellor, *Nat^t.* Rather rare on the coal measures, *N.D.M.*

T1. Hulland Moss; clay fallows, Yeldersley, and by pond near Yeldersley Hall.

T3. Repton Rocks, *Purchas.* Stanton, near Burton, *Hb. Mason.* Bank of road above Smisby.

Var. *protensum* B. & S.

L. Miller's Dale, *Holt* (1880) *in Braithw.* Conies Dale; Bradwell; Ashwood Dale; Back Dale, *Barker*, who remarks that this is the usual form in North Derbyshire.

G1. Shallcross Plane, Fernilee; Barren Clough, Bugsworth; Srigley's field, Chapel; near railway above Combes Reservoir, *Barker.*

H. chrysophyllum *Brid.* *Amblystegium* Lindb.

Bare soils, especially on limestone, quarries. Frequent.

First record, *Purchas*, 1860.

L. Miller's Dale; Lathkil Dale; Castleton, *N.D.M.* Thorpe Cloud, Dovedale, *Purchas.* Cressbrook, *Holt in Manch. Crypt. Soc.* (1879). Back Dale, *Barker.* Great Shacklow Wood, Ashford; Great Rocks Dale; Parkhouse Hill, near Hindlow.

G1. Cowburn, *Barker.* Roadside above Slackhall, Chapel.

G2. Wall between Fox House Inn and Padley.

P. Cresswell Crags; Scarcliffe Park; Langwith Wood; Belph Moor; Markland Grips; quarries near Whitwell Station.

T1. Snelston limequarries; fallows near Yeldersley Rough, with fruit.

T3. By the Tramway, Calke, *Purchas.*

Var. *erectum* Bagnall. *Derbyshire Naturalist, Nov.*, 1898, 352.

L. Near Dove Holes, Dovedale, *Bagnall.* Bradwell; Great Rocks Dale; Buxton, *Barker.*

H. Sommerfeltii *Myr.* *H. polymorphum* Wils. *Campylium hispidum* v. *Sommerfeltii* Lindb.

Limestone quarries, walls, trees. Rare.

First record, *N.D.M.*, 1894.

L. Wall near Ashford, *Ashton and Nield in N.D.M.* Near Castleton, *Holt in Hb. Whitehead.* Ravensdale, *Ley.* Monk's Dale, *Barker.* Near Taddington.

P. Quarry near Whitwell Station; Scarcliffe Park.

H. aduncum *Hedw.*

Margins of pools, marshes. Frequent.

First record, *Bloxam MS.*, 1833.

L. Miller's Dale, *Painter, Nat^t.*

G1. Combes Reservoir, Chapel, *Barker.*

T1. Boggy place south east of Marston Montgomery; roadside, Lower Thurvaston, Longford.

T3. Foremark Bog, *Bloxam.*

Group *typicum* Ren., forma *falcata.*

T1. By pool west of Radbourn.

Group *Kneiffii* Ren.

G1. North end of Combes Reservoir, Chapel, *Barker.* Near Back Tor, Edale.

T1. Pond by roadside, Wyaston (*teste C. H. Binstead*); by pool west of Radbourn; pond near the road, west of Barton Blount; roadside near Foston Woodhouse.

Var. *intermedium* Schimp.

P. Quarry near Springfield Farm, Whitwell.

T2. Marshy flats by the canal, Sandiacre.

Group *pseudofluitans* Sanio., *f. gracilis* Ren. MS.

T1. Pool west of Radbourn.

[**H. Sendtneri** *Schimp.*

G1. Kinderscout; Car Meadow, near Hayfield, *Holt in Natt.*

Mr. Whitehead informed me in 1894 that this was an error, he having been misled about it.]

H. uncinatum *Hedw.*

Damp rocks in and by streams, walls. Frequent.

First record, *The Naturalist*, 1886.

L. Ashwood Dale; Castleton, *N.D.M.* Near Taddington.

G1. Stirrup Wood, *Natt.* Charlesworth Coombs, *N.D.M.* Fernilee, and R. Goyt; Chapel; near Buxton, *Barker.* Chinley Hills; Slackhall, and Bank Hall, near Chapel.

G2. Bar Brook, Baslow; Hathersage Road, Grindleford.

Var. *plumulosum* Schimp.

G1. Cowburn; William Clough; old road near Whitehall, Fernilee; old road north face of Ladder Hill; tree by brook below Combes Reservoir, Chapel; between Horwich House and Bugsworth, near Mosley Hall, in Chapel; pool by Brown Edge Lane, Buxton, *Barker.*

G2. Padley Wood, Grindleford.

H. fluitans *L.*

Wet moorland, bogs. Frequent.

First record, *Bloxam MS.*, 1833.

G1. Axe Edge; Edale, *N.D.M.* Goyt's Moss; Combes Moss; Hollinworth Clough; moor east of Bamford; near Goyt's Lane, Fernilee, *Barker.* Kinderscout, *Natt.* Brown Head, Chapel (v. *submersum* t. C. H. Binstead), *Ley* (1881). A falcate variety, Goyt's Clough, *Barker.* Stanage Edge; Rushup Edge.

G2. Froggatt; near Higgar Tor, Hathersage.

C. Ley's Fen, near Old Brampton; Blake Brook, Baslow.

T1. Mickleover; Littleover, *Bindley.* R. Dove, *N. H. Tutb.*

T3. Calke, *Bloxam.*

Group *amphibium* Ren. var. *gracile* Boul.

G1. Axe Edge; Combes Moss; Cowburn; William Clough, *Barker.*

F. *condensata* Sanio.

G1. Crowden Brook, Edale.

Var. *atlanticum* Ren. *J.B.*, 1901, 277.

G1. Hogshaw Brook, Buxton; Combes Moss, *Barker.* Kinder, near Hayfield.

G2. Redcar Brook, above Dore.

Group *falcatum* Ren. var. *ovale* Ren.

G1. East side of Corbar Hill, a plant coming under this, *f. Wheldon.*

Group *exannulatum* Ren. *H. exannulatum* Guemb.

Bogs, more or less sub-alpine. Frequent.

First record, *The Naturalist*, 1886.

G1. Bogs, Kinderscout; Charlesworth Coombs, *Natt.* Goyt's Moss; marsh at Tunstead, Milton Farm, Chapel; near Ladder Hill, Fernilee, *Barker.* Edale Head; Nether Yates Clough, Ashop Clough.

G2. Harper Lees, Hathersage.

T1. Margin of large pond, Wyaston; bog below Bradley Wood.

Var. *pinnatum* Boul.

C. Brackenfield Green.

T1. Hulland Moss.

F. *stenophylloides* Ren.

G2. Harland Edge, Beeley.

F. *gracilescens* Ren.

G1. Near Lanehead Farm, Fernilee, *Barker.*

T1. Hulland Moss?

F. *montana* Ren.

T1. Hulland Moss.

F. *polyclada* Ren. MS.

G2. Umberley Brook, Chatsworth.

F. *purpurascens* Schimp.

G2. Harland Edge, Beeley.

Sub-group *Rotæ* Ren. *H.* *stenophyllum* Wils. Var. *falcifolium* Ren.

G1. West side of Axe Edge; Hogshaw Brook, Buxton; clough near old tollbar, Fernilee; by Tunstead Farm, Chapel, *Barker.*

T1. Hulland Moss.

H. vernicosum *Lindb.* *Amblystegium* Lindb. *H. pellucidum* Wils.

Mountain bogs. Rare.

First record, *The Naturalist*, 1886.

G1. Kinderscout, *Natt.* (*Whitehead and Holt*).

H. revolvens *Sw.*

Mountains bogs. Rather rare.

First record, *The Naturalist*, 1886.

G1. Car Meadow; Kinderscout, *Natt.* Whatford Wood, near Buxton, *Ley* (1874). R. Sett, below Edale Cross; Oyster Clough, near the Snake Inn.

T1. Hulland Moss.

Var. *Cossoni* Ren. *H. Cossoni* Schimp.

G1. Kinderscout, *Holt in N.D.M.*

Var. *intermedium* Lindb.

Mountain bogs. Rare.

First record, *Fl. Ashton*, 1888.

G1. Kinderscout; Car Meadow, Hayfield, *Fl. Ashton*

G2. Umberley Brook, Chatsworth.

T1. Hulland Moss.

H. scorpioides *L.*

Wet moorland. Rare.

First record, *The Naturalist*, 1886.

G1. Fairbage Moor, near Glossop, *Nat^t.* and *N.D.M.* (*Whitehead*).

G2. Umberley Brook, Chatsworth.

H. commutatum *Hedw.* *Amblystegium glaucum* Lindb.

Streams, ditches, bogs. Frequent.

First record, *Bloxam MS.*, 1833.

L. Matlock, *Hb. Mason.* Buxton; Monk's Dale, *Ley.* Monsal Dale, *Armitage.* Dovedale, *N.H. Tutb.* Ashwood Dale; Miller's Dale, *Barker.* Conies Dale, Peak Forest; Via Gellia; springs below Wormhill; R. Bradford, below Youlgreave.

G1. Whitebottom Wood, Charlesworth; Kinderscout, *Nat^t.* Hollinworth Clough, *Barker.* R. Sett, near Hayfield; Ashop Clough; Fairbrook, near the Snake Inn; Hood Brook, under Stanage Edge; Grinds Brook, Edale.

G2. Stream at Froggatt; Otterdale.

P. Markland Grips (a form near *H. virescens*, *f. C.H. Binstead*); Scarcliffe Park.

T1. Bog below Bradley Wood; ditch west of Longford Church; Snelston limequarries.

T3. Calke, *Bloxam.* Winshill, *Hb. Mason.* Repton Rocks, *Purchas.*

A variety unnamed occurs by R. Dakin, below Alport, *Barker.* A very slender variety, unnamed, occurs at Cressbrook, *Barker.*

H. falcatum *Brid.* *Amblystegium* Lindb.

Mountain bogs; springs and streams in limestone dales. Not uncommon.

First record, *The Naturalist*, 1886.

L. Ashwood Dale; Miller's Dale; Cressbrook, *Barker.* Buxton, *Ley* (1869). Dovedale, *Nowers.* Conies Dale, Peak Forest.

G1. West side of Axe Edge; Wildmoor Clough; Goyt's Bridge; foot of Bonsall Plane, *Barker.* Bog on Kinderscout, *Nat^t.* William Clough; Jaggers Clough, above Hope; Oyster Clough, near the Snake Inn.

P. Markland Grips, Clowne.

T3. Repton Rocks, *Hb. Mason.*

Var. *virescens* Schimp. *H. virescens* Boulay.

L. Monsal Dale, *Holt in N.D.M.* Miller's Dale, and a form with paraphyllia in Chee Dale, *Barker.* Springs below Wormhill; Lathkil Dale.

G1. Blackdean Brook, Woodlands.

H. incurvatum *Schrad.* *Stereodon* Mitt.

Mountain rocks, especially limestone. Rare.

First record, *N.D.M.*, 1894.

L. Duke's Drive, Buxton, *N.D.M.* Monk's Dale, *Barker in N.D.M.*

H. cupressiforme *L.* *Stereodon* Brid.

Rocks, walls, trees, bare ground. Common.

First record, *Bloxam MS.*, 1833.

Abundant everywhere.

Var. *resupinatum* Schimp. *H. resupinatum* Wils.

L. Dovedale, *Ley*. Cressbrook; near Youlgreave, *Barker*. Above Lover's Leap, Buxton; Conies Dale, Peak Forest; Monk's Dale; Wormhill; Hartle Dale, Bradwell; between Thorpe and Sandybrook.

G1. Near Whaley Bridge, *N.D.M.* Car Meadow, near Hayfield, *Nat*^{t}. (*Holt*). Chapel; Fernilee, *Barker*. Grinds Brook, Edale.

P. Scarcliffe Park; Pleasley Park; Cresswell Crags.

T1. Ednaston; east of Mercaston; by Brailsford Brook; by large pond near Yeldersley Hall; Lower Thurvaston, Longford; Snelston limequarries; between Trusley and Dalbury.

Var. *filiforme* Brid.

L. Via Gellia?

G2. Harper Lees, Hathersage.

Var. *ericetorum* B. & S.

G1. Among heather, Charlesworth Coombs, *Natt.* Near Ladder Hill, Fernilee, *Barker*. Axe Edge.

Var. *uncinatulum* Bry. Eur.

G1. Near Whitehall, between Buxton and Whaley; Fernilee; Chapel; near Wythen Lache; near Lightwood Reservoirs, *Barker*.

Var. *tectorum* Brid.

G1. Ashwood Dale; Miller's Dale; Chee Dale; Cressbrook, *N.D.M.* Great Rocks Dale; Hindlow, *Barker*. Dovedale; Lathkil Dale.

G1. By Lightwood Reservoirs, Buxton, *Barker*.

G2. By stream below Cratcliffe Wood, Birchover.

P. Belph Moor, Whitwell.

T1. Mickleover, *Bindley*. Cubley Brook.

Var. *elatum* B. & S.

L. Miller's Dale, *Wilson in Braithw.*

H. Patientiae *Lindb.* *Stereodon arcuatum* Lindb. *Hypnum* Lindb.

On the ground among rocks, by streams, in woods. Not uncommon.

First record, *The Naturalist*, 1886.

L. Chelmorton, *N.D.M.*

G1. Stirrup Wood, *Nat*^{t}. At Combes Reservoir; between Tunstead and Spire Hollins, and in Green Lane, Chapel; old road near Mosley Hall; path between Madscar and Shady Oak, Fernilee, *Barker*. Brook above Wash, Chapel.

T1. Snelston limequarries (*t. C. H. Binstead*); by Black Brook, Mugginton; clay fallows, Yeldersley Lane, near Shirley.

H. molluscum *Hedw.* *Ctenidium* Mitt.

Limestone and sandstone rocks and soil, banks, boggy ground. Frequent.

First record, *Engl. Bot.*, 1804.

L. Ashwood Dale; Ravensdale, *Ley.* Cales Dale; Horseshoe and Back Dales; Monk's Dale; Chee Dale; near Taddington, *Barker.* Middleton Dale; Ashford; Dovedale, with fruit, *Purchas.* Matlock, with fruit, *E.B.* Castleton, *Carr.* Bradwell, *Snelgrove.* Great Rocks Dale, with fruit.

G1. In Green Lane, and above Combes Reservoir, Chapel, *Barker.* Kinderscout, *Natt.* Under Back Tor, Edale; Fairbrook, near the Snake Inn.

G2. Umberley Brook, Chatsworth; Harper Lees, Hathersage.

C. Millthorpe, Holmesfield.

P. Pleasley Park; Scarcliffe Park; Upper Langwith; Markland Grips; Cresswell Crags; Belph Moor.

T1. Mickleover, *Painter, Natt.* Roadside, Cubley Common; Corley, near Bradley; Hulland Moss; clay fields, Yeldersley Lane.

T3. Calke, *Bloxam.* Ticknall; Repton Rocks, *Purchas* (1862). Bank of road above Smisby.

Var. *condensatum* Schimp.

L. Horseshoe Dale; Deep Dale.

G1. Kinderscout, *Holt in Fl. Ashton.* Blackdean Brook, near the Snake Inn; William Clough.

G2. Harper Lees, Hathersage; Padley Wood, Grindleford.

Var. *fastigiatum* Bosw.

"Derbyshire," *Dixon's Handbook B.N.; Natt.*, 1899, 64.

L. Dove Holes, Dovedale, *Holmes in Braithw.* Hartle Dale, Bradwell.

H. palustre *L.* *Amblystegium* Lindb.

Rocks and stones, by streams, or in damp places. Frequent.

First record, *Buxton's B.G.*, 1849.

L. Castleton; Miller's Dale, *N.D.M.* Cromford, *Hb. Mason.* Millwheel, Monsal Dale, *Armitage.* Dovedale, *Purchas.* Ashwood Dale; Chee Dale; Cressbrook; Horseshoe Dale, *Barker.* Monk's Dale; north side of Diamond Hill, Buxton.

G1. Chapel-en-le-Frith; Fernilee; Mellor, *N.D.M.* Stones in the river near Marple, *Buxton.* By railway above Combes Reservoir; Shallcross Plane, Fernilee, *Barker.* River Noe, Edale.

G2. Stream from Stoke Flat, above Froggatt.

T1. Mickleover, *Bindley.* Black Brook, Mugginton, and near Cross o' th' hands; Thurvaston, Marston Montgomery; Cubley Brook, and between Cubley Common and Riddings; between Wyaston and Yeaveley.

T3. By the Melbourne Road, Derby Hills; Ticknall; Calke, *Purchas.*

H. ochraceum *Turn.* *Amblystegium* Lindb.

Mountain streams, on rocks, or soil. Frequent and abundant.

First record, *Purchas*, 1864.

L. Chee Dale; Dovedale, *Barker.* R. Dove, by Chrome Hill.

G1. Little Hayfield, with fruit, *Nat*^{t}. (*Holt*). Stirrup Wood; Charlesworth Coombs; Kinderscout, *N.D.M.* Hogshaw Brook; Goyt's Clough; Wildmoor Clough; in the Goyt, Fernilee; foot of Bonsall Plane; Combes; Chapel; Hollinworth Clough, *Barker*. Grinds Brook and near Edale Head; Nether Moor, Jaggers Clough; William Clough; above Hogshaw Reservoir, Buxton.

G2. East Moor, Baslow, *Purchas* (*J. M. Mello*). Bar Brook; Padley Wood Grindleford; Harper Lees, Hathersage.

C. Greave's Piece, near Horsley Gate.

T1. Brookside, Mercaston towards Mugginton.

Var. *flaccidum* Milde.

G1. Hollinworth Clough, *Barker*. Roych Clough, Chapel; R. Westend, Derwent.

H. stramineum *Dicks.* *Amblystegium* De Not.

Bogs and wet places on mountains. Not uncommon.

First record, *The Naturalist*, 1886.

G1. Charlesworth Coombs; Kinderscout, *Nat*^{t}. South of Barren Clough, Bugsworth; old road, Fernilee to Buxton; marsh south of Ladder Hill; Wildmoor Clough; R. Goyt, near its source; moor between Long Hill and Errwood Combes Moss; Grinds Brook, Edale, *Barker*. Goyt's Moss; William Clough; R. Westend; east side of Corbar Hill.

G2. Bar Brook, Baslow; Umberley Brook, Chatsworth; Burbage Brook, and wet ground above Padley Wood.

T1. Bog below Bradley Wood; Hulland Moss.

H. cordifolium *Hedw.* *Amblystegium* De Not.

Margins of pools, marshes. Not uncommon.

First record, *Purchas*, 1860.

G1. Mellor, *Nat*^{t}. Among willows, north end of Combes Reservoir, Chapel; moor between Long Hill and Errwood, *Barker*. Marsh by R. Noe, Edale.

C. Claypits, Breadsall Moor, *Painter*, *Derb. Arch. & N.H. Soc.*, 1897.

T1. Marsh, Yeldersley Lane; by Bradley Brook; pond between Cubley Brook and Birchwood Moor; roadside near Foston Woodhouse.

T3. Cauldwell, *Hb. Mason*. Pond between Knowl Hills and Ingleby, *Purchas*. Stanton, near Burton, *N.H. Tutb.*

H. cuspidatum *L.* *Amblystegium* De Not.

Wet fields, marshes. Very common and generally distributed, and not unfrequently fruiting.

First record, *Bloxam MS.*, 1833.

Var. *cæspiticium* Whitehead MS.

L. Monsal Dale, *Dixon's Handb. B.M.*

Var. *pungens* Schimp.

L. Monk's Dale, *Barker*.

H. Schreberi *Willd.* *Hylocomium parietinum* Lindb.

Dry grassy slopes, woods, heaths. Frequent.

First record, *Bloxam MS.*, 1833.

L. Chee Dale, *N.D.M.* Dovedale, *Hb. Mason.* Buxton, *Ley* (1870). Cales Dale; Horseshoe Dale, *Barker.*

G1. Charlesworth Coombs; Kinderscout, *Nat^t.* Fernilee; Chapel; Wildmoor Clough; foot of Bonsall Plane; old dip near Whitehall, road from Whaley to Buxton, *Barker.* Edale.

G2. Burbage Brook; Mag Clough, Grindleford; between Little Eaton and Brackley Gate.

P. Langwith Wood.

T1. Ashbourne, *Hb. Mason.* Yeldersley.

T3. Calke, *Bloxam.* Repton Rocks, *Hb. Mason.*

HYLOCOMIUM *B. & S.*

H. splendens *B. & S.* *Hypnum* Hedw. *Hylocomium proliferum* Lindb.

Woods, dales, bushy banks. Frequent.

First record, *Bloxam MS.*, 1833.

L. Dovedale, *Garner.* Horseshoe Dale; near Taddington, *Barker.* Cromford, *Hb. Mason.* Matlock Bath, *Gem of the Peak.* Conies Dale, Peak Forest; Lathkil Dale; Harper Hill, Buxton.

G2. Froggatt; near Kirk Ireton.

P. Langwith Wood; Markland Grips.

T3. Calke, *Bloxam.* Ticknall, *Painter*, *Nat^t.*

H. brevirostre *B. & S.* *Hypnum* Ehrh.

Mountain woods, dales. Rare.

First record, *Wilson*, *Bry. Brit.*, 1855.

L. Chee Dale, with fruit, *N.D.M.* North side of Diamond Hill, Buxton.

G1. Charlesworth Coombs, *Nat^t.*

H. loreum *B. & S.* *Hypnum* L.

Mountain rocks, bushy places. Rare.

First record, *Bloxam MS.*, 1833.

L. Dovedale, *Garner.*

G1. Charlesworth Coombs; Kinderscout, *Nat^t.* Wood near Whaley Bridge, with fruit, *N.D.M.*

T3. Calke, *Bloxam.*

H. squarrosum *B. & S.* *Hypnum* L.

Grassy places, banks. Very common.

First record, *Bloxam MS.*, 1833.

L. Pig Tor, Buxton, with fruit, *Ley* (1870). Duke's Drive, Buxton, *Barker.*

G1. Charlesworth Coombs, with fruit, *Nat^t.*

T1. Mickleover; Littleover; Etwall; Radbourn, *Bindley.*

T3. Old bridge, Calke Mill, and Repton Rocks, with fruit, *Purchas* (1862). A form with the leaves homomallous at the ends of the branches occurs in Dovedale, and on the grit under Burbage Edge, near Buxton.

Var. *calvescens* (Wils.).

G1. Near Whaley Bridge, *N.D.M.* Mellor, *Nat*^{t}.

H. triquetrum *B. & S.* *Hypnum* L.

Dry hedgebanks, hill slopes, woods. Frequent.

First record, *Bloxam MS.*, 1833.

L. Dovedale, *Garner*. Cromford, *Hb. Mason*. Cales Dale; Horseshoe Dale, *Barker*. Ashford; near Kniveton; Harper Hill, Buxton.

G1. Fernilee; Chapel, *Barker*.

P. Langwith Wood; Scarcliffe Park.

T1. Mickleover, *Bindley*. Roadside, Derby Road, Ashbourne.

T3. Calke, *Bloxam*. Repton, *Painter*, *Nat*^{t}. Bank of road above Smisby.

H. rugosum *De Not.* *Hypnum* Ehrh.

Limestone dales, among limestone debris. Rather rare.

First record, *Garner*, 1844.

L. Chee Dale; Miller's Dale; Dovedale, *N.D.M.* Tideswell Dale; Ravensdale, very luxuriant, *Ley* (1881). Between Middleton Dale and Eyam, *Purchas*. Between Taddington and Miller's Dale, *Barker*. Deep Dale, Kingsterndale.

HEPATICÆ.

VERY little was done in this class until late in the last century, and older notices are decidedly meagre, but during the last thirty years the country has been explored by several workers, more especially in its northern parts, and a considerable number of species collected.

The long-felt want of a satisfactory work on the British Hepaticæ has at length been richly supplied by Mr. W. H Pearson's splendid monograph just completed, which has been most useful in making out our Derbyshire forms. Mr. G. A. Holt kindly supplied me with a list drawn from his own herbarium and those of Messrs. Pearson, Whitehead and Wild; Mr. Mason of Burton-on-Trent lent his specimens, mostly of Mid and South Derbyshire, for inspection, and the records thus obtained, together with my own discoveries, constitute the bulk of the 96 species which are so far known for the County.

The climatic features which make Derbyshire so prolific in Mosses have the same effect in Hepatics; and there is a similar limitation of species to particular formations, 5 being found on limestone only, 6 on limestone and Permian, 28 on grit or grit sand, and 5 on wet moorland or marshes. There are a few which are of special interest owing to their rarity or to their occurrence in the County being a considerable extension from previously recorded localities, such as *Hygrobiella laxifolia* (Westmorland, Yorkshire), *Lophocolea spicata* (Cornwall, N. Wales, Inverness), *Targionia hypophylla* (W. Yorkshire), on both sides of the Dove in Dovedale, and *Anthoceros punctatus*. Although the present list amounts to a fair representation of this class for the County, there are still several species not yet noticed which may be expected to occur and to be brought to light by further investigation.

SUB-ORDER 1. JUNGERMANNIACEÆ.

TRIBE 1. JUBULEÆ.

FRULLANIA *Raddi.*

F. Tamarisci *Dum.* *Jungermannia* L.

On rocks, principally limestone. Locally abundant.

First record, *Garner,* 1844.

L. Miller's Dale, *Hb. Whitehead.* Chee Dale ; Monsal Dale ; Ravensdale, *Hb. Holt.* Dovedale, *Garner.* Bradwell, *Snelgrove.* Lathkil Dale ; Dimminsdale, Ashford ; Deep Dale, near Kingsterndale ; Brassington Rocks ; near Bradbourn Mill.

G1. Rocks under Back Tor, Edale ; Oyster Clough, Woodlands.

P. Cresswell Crags ; Markland Grips, Clowne.

F. dilatata *Dum.* *Jungermannia* L.

On trees, rocks and walls, especially on limestone. Not uncommon.

First record, *Gem of the Peak*, 1840.

L. On trees, Chee Dale ; Monsal Dale, *Hb. Whitehead.* Ashwood Dale, with fruit ; Taddington Dale, *Hb. Holt.* Matlock, *Bindley.* Dovedale.

P. In a hedge at Upper Langwith.

T1. On elder in Shirley Park.

T3. Near Burton, *Hb. Mason.*

LEJEUNIA *Libert.*

L. serpyllifolia *Lib.* *Jungermannia* Dicks.

On rocks and trees, especially on limestone. Not uncommon.

First record, *Holt MS.*, 1896.

L. Chee Tor, *Hb. Wild.* Ashwood Dale ; Ravensdale, *Hb. Holt.* Monk's Dale ; Monsal Dale ; Dovedale ; Via Gellia ; Great Shacklow Wood, Ashford.

P. Markland Grips, Clowne.

Var. *cavifolia* Lindb.

L. Monsal Dale ?

L. calcarea *Lib.* *L. echinata* Tayl. *Jungermannia hamatifolia* v. *echinata* Hook.

On shady limestone rocks. Rather rare.

First record, *The Naturalist*, 1884.

L. Ashwood Dale ; Miller's Dale ; Chee Tor ; Taddington Dale ; The Winnatts, *Hb. Holt.* Cressbrook ; Lathkil Dale in a cave about a mile from Monyash ; Via Gellia ; Conies Dale, Peak Forest ; Great Rocks Dale, near Buxton.

L. Rossettiana *Massal.*

On shady limestone rocks. Rare.

First record, *J.B.*, 1889, 353.

L. Castleton ; Chee Dale, *Hb. Whitehead.* Miller's Dale (1882) ; The Winnatts (1882) ; Ravensdale (1884) ; Ashwood Dale, *Hb. Holt.* Via Gellia, and near Griff Grange ; in a small dale near Snitterton ; Dovedale.

TRIBE 2. JUNGERMANNIEÆ.

RADULA *Dum.*

R. complanata *Dum.* *Jungermannia* L.

On trees mostly, also on rocks. Not uncommon.

First record, *Gem of the Peak*, 1840.

L. Taddington Dale; Via Gellia; Great Rocks Dale, near Buxton; Dovedale; between Hopton Works and Wirksworth; roadside near Bradbourn Mill; between Kniveton and Corley.

P. In a hedge at Upper Langwith.

T1. Slack Lane, Brailsford; Brickkiln Lane, Shirley, and Shirley Brook; Yeldersley, laneside towards Ednaston Lodge; near Rodsley.

PORELLA *Dill.*

P. platyphylla *Lindb.* *Jungermannia* L.

Rocks and trees, especially on limestone. Common.

First record, *Holt MS.*, 1896.

L. Walls, Castleton, *Hb. Whitehead.* Ashwood Dale; Miller's Dale; Ravensdale, with fruit, *Hb. Holt.* Dovedale, *Hb. Mason.* Via Gellia; Great Shacklow Wood, Ashford; Lathkil Dale; Taddington Dale; Deep Dale, Kingsterndale; Wardlow; Conies Dale, Peak Forest; near Bradbourn Mill; Bradwell Dale; near Thorpe.

P. Cresswell Crags; Markland Grips, Clowne.

T1. By Henmoor Brook, near Corley.

T3. Near Burton, *Hb. Mason.*

BLEPHAROZIA *Dum.*

B. ciliaris *Dum.* *Jungermannia* L. *Ptilidium* Nees.

Heaths, rocky moorland. Not uncommon.

First record, *Manch. Crypt. Soc.*, 1879.

G1. Charlesworth Coombs, *Hb. Whitehead.* Stirrup Wood, *Fl. Ashton.* Combes Moss; sources of Grinds Brook, 2000 feet; under Cuckoo Tors, Hogshaw Reservoirs.

G2. Curbar Edge; near the stream on Froggatt Edge.

T1. Hulland Moss.

B. pulcherrima *Lindb.* *Jungermannia* Hoffm.

On woods or rocks. Rare.

First record, *The Flora.*

T1. On tree trunks, Black Wood, Mickleover, *Bindley.* Bradley Wood.

TRICHOCOLEA *Nees.*

T. tomentella *Dum.* *Jungermannia* Ehrh.

Swampy places by mountain streams. Rare.

First record, *Fl. Ashton*, 1888.

G1. Kinderscout; Stirrup Wood, in both places with fruit, *Fl. Ashton.*

G2. By Umberley Brook, near Chatsworth.

BLEPHAROSTOMA *Dum.*

B. trichophylla *Dum.* *Jungermannia* L.

Damp moorland, mountain slopes. Rather rare.

First record, *Fl. Ashton*, 1888.

L. North side of Diamond Hill, Buxton; Conies Dale, Peak Forest.

G1. Stirrup Wood, *Fl. Ashton.* Back Tor, Edale; Wildboar Clough, Crowden.

G2. Hipper Sick, near Chatsworth.

C. Nether Loads, Old Brampton.

LEPIDOZIA *Dum.*

L. reptans *Dum.* *Jungermannia* L.

Woods, rocky slopes, preferring sand and gritstone. Frequent and abundant.

First record, *N.H. Tutb.*, 1863.

L. On birch stems, Ashwood Dale.

G1. Abundant in Stirrup Wood (1883), *Holt & Whitehead in Fl. Ashton.* Ashopton; Goyt's Moss; Hollingworth Clough, north of Hayfield; Combes Moss; sources of Grinds Brook, 2000 feet; Bleaklow Hill; Grinah Stones; near the Snake Inn; Higher Cliff, Strines.

G2. Black Rocks, Cromford, *Gibbs.* Robin Hood's Stride, near Birchover; Bar Brook, above Baslow; Harland Edge, Beeley; Harper Lees, Hathersage; Littlemoor Wood, and on Dethick Common; rocky wood near Whatstandwell Station; Curbar Edge.

C. Linacre Wood, Old Brampton.

T1. Edlaston Coppy; Bradley Wood; Shirley Park.

T2. On sandstone rocks in woods south of Dale.

T3. Repton Rocks, *Hb. Mason.*

L. Pearsoni *Spruce.* *J.B.*, 1881, 34.

On rocky banks among mountains. Very rare.

First record, *Fl. Ashton*, 1888.

G1. Kinderscout (1884), *Hbb. Whitehead & Holt.*

L. setacea *Mitt.* *Jungermannia* Web.

Damp moorland. Not uncommon.

First record, *Fl. Ashton*, 1888.

G1. Charlesworth Coombs; Kinderscout, *Fl. Ashton.* Hollinworth Clough, north of Hayfield; Combes Moss; Wildboar Clough, near Crowden; Grinah Stones, Bleaklow Hill; Fairbrook, and Birchin Clough, near the Snake Inn.

G2. Harland Edge, Beeley; Blake Brook, above Baslow; Hipper Sick, near Chatsworth; near Bole Hill, Eyam Moor.

BAZZANIA *Gr. & B.*

B. trilobata *Gr. & B.* *Jungermannia* L.

Shady rocky banks. Rare.

First record, *Manch. Crypt. Soc.*, 1879.

G2. Charlesworth Coombs, with fruit (1879), *Hb. Whitehead.* Kinderscout, with fruit, *Fl. Ashton.*

KANTIA *Gr. & B.*

K. Trichomanis *Gr. & B. Mnium* L. *Jungermannia* Dicks.

Banks, moors, woods, &c. Frequent.

First record, *Gem of the Peak*, 1840.

L. In heather near Sheldon; Back Dale near Hindlow.

G1. Charlesworth Coombs, Kinderscout, *Fl. Ashton.* Stenior Clough, *Hb. Whitehead.* R. Sett, near Hayfield; Goyt's Moss; Wildboar Clough, Crowden; Black Cloughs, above Woodhead; Birchin and Oyster Cloughs, near the Snake Inn; Higher Cliff, Strines.

G2. Black Rocks, Cromford, *Gibbs.* Higgar Tor, near Hathersage; moorland above Beeley; Umberley Brook, Chatsworth; Dethick Common.

C. Leys Fen, Old Brampton; roadside near Dale.

T1. Cupiss Lane near Mercaston, Mugginton; Hulland Moss; Cross o' th' hands; Wyaston towards Rodsley; Findern, marshes by the railway; Bradley Wood.

T2. Marshy flats north of Sandiacre.

T3. Near Burton, *Hb. Mason.*

K. Sprengelii *Mart. Jungermannia* Mart.

Damp shady banks, woods, quarries. Rather rare.

First record, *M.E.C. Rep.*, 1902.

G1. Bank Hall, Chapel-en-le-Frith; Higher Cliff, Strines.

G2. Quarries between Little Eaton and Brackley Gate; Hipper Sick, near Chatsworth; Dethick Common.

C. Linacre Wood, Old Brampton.

T1. Edlaston Coppy; Shirley Park; boggy ground by Bradley Brook.

K. arguta *Lindb. Calypogeia* Mont. & Nees.

Damp clay banks, by streams and in woods. Not infrequent.

First record, *The Flora.*

L. Back Dale, near Hindlow.

G1. Ashop River, near the Snake Inn; Blackdean Brook; Higher Cliff, Strines; brook near Malcoff, Chapel.

G2. Small stream in Padley Wood, Grindleford.

C. Linacre Wood; between Nether Loads and Hallcliff Farm, Old Brampton.

T1. Bank of lane between Bradley and Hole-in-the-Wall.

CEPHALOZIA *Dum.*

C. lunulæfolia *Dum. C. multiflora* Spruce.

Moors and heaths. Frequent, mostly sterile.

First record, *N.H. Tutb.*, 1863.

G1. Kinderscout, *Hb. Holt.* Charlesworth Coombs, *Hb. Whitehead.* Stirrup Wood, *Hb. Wild.* Near Woodhead, *Fl. Ashton.* Grinah Stones, Bleaklow Hill.

G2. Cromford Moor; Hipper Sick, near Chatsworth; Bar Brook, near Baslow; stream from Stoke Flat, near Froggatt.

C. Ley's Fen, Old Brampton; Blake Brook, near Baslow.

T1. Marshy ground by canal, below Findern.

T3. Repton Rocks (*C. connivens*) *N.H. Tutb.*

C. bicuspidata *Dum.* *Jungermannia* L.

Woods, banks, moors, etc. Common.

First record, *N.H. Tutb.*, 1863.

L. Hartle Dale, Bradwell; on birch trunks in Ashwood Dale.

G1. Stirrup Wood; Charlesworth Coombs; Woodhead, *Hb. Whitehead.* Ashop Clough and Birchin Clough, near the Snake Inn; Blackdean Brook, and Fairbrook; Allport Dale; near Oxdale Lodge, Ringinglow; Grinds Brook, Edale.

G2. Bar Brook, Baslow; Umberley Brook, Chatsworth; Kelstedge; quarries between Little Eaton and Brackley Gate; Froggatt; Littlemoor Wood, Dethick.

C. Quarry in Hardwick Park.

T1. Mickleover, *Bindley.* Shirley Park; Bradley Wood; Edlaston Coppy.

T2. Woods south of Dale.

T3. Repton Rocks, *N.H. Tutb.* Near Burton, *Hb. Mason.*

C. Lammersiana *Spruce.* *Jungermannia* Hueben. *C. bicuspidata* v. *uliginosa* Nees.

Damp moorland, wet places. Frequent.

First record, *The Flora.*

L. Near Taddington.

G1. Goyt's Moss; Bagshaw, near Chapel; Chinley Hills; Hollinworth Clough, and moorland above Hayfield; Edale Head, and near Edale Cross; Grinah Stones, Bleaklow Hill; Ashop Clough.

G2. Harland Edge, Beeley; Gardom's Edge, and Bar Brook, Baslow; Harper Lees, Hathersage; Bechagg Wood, Froggatt; Dethick Common.

P. Scarcliffe Park.

T1. Corley, near Bradley; Hulland Moss; Shirley Park.

T3. Near Burton, *Hb. Mason.*

C. heterostipa *Carr. & Spruce.* *Jungermannia inflata* v. *heterostipa* Lindb.

Damp rocks among mountains.

First record, *Holt MS.*, 1896.

G1. Kinderscout, with fruit (1881), *Hbb. Holt & Whitehead.*

C. Sphagni *Spruce.* *Jungermannia* Dicks. *Odontoschisma* Dum.

Damp moorland. Rare.

First record, *Fl. Ashton*, 1888.

G1. Kinderscout (1883), *Hb. Holt.* Stirrup Wood, *Holt in Pearson.*

C. denudata *Spruce.* *Jungermannia* Nees. *Odontoschisma* Dum.

Rotten trunks or sandstone. Rare.

First record, *Fl. Ashton*, 1888.

G1. Stirrup Wood (1878), *Hb. Wild.*

C. divaricata *Dum.* *Jungermannia* Sm.

Moorland, shady banks, rotten wood. Frequent.

First record, *Fl. Ashton*, 1888.

L. Cressbrook Dale, and near Wardlow Mires; Deep Dale and Back Dale; near Kingsterndale; Conies Dale, Peak Forest.

G1. Kinderscout, *Fl. Ashton.* R. Sett, above Hayfield; Grinah Stones, Bleaklow Hill; Birchin Clough, near the Snake Inn; Ashop Clough.

G2. Bar Brook, Baslow; Harper Lees, Hathersage; Harland Edge, Beeley; White Edge, above Froggatt; Dethick Common; quarries between Little Eaton and Brackley Gate.

C. Ramsley Moor, Old Brampton.

T1. Hulland Moss; Shirley Park; Edlaston Coppy; limestone quarries, Snelston Common; railway bank south of Mickleover Station; bog below Bradley Wood; Old Yeldersley; Ednaston, Brailsford.

C. stellulifera *Tayl. MSS.*

Banks, and among rocks and stones. Rare.

First records, *Ann. Mag. Nat. Hist.*, 1842, 516; *Phyt.*, 1833 and 1844.

G2. Crich (*Wilson*, 1831), *Hb. Holt.*

HYGROBIELLA *Spruce.*

H. laxifolia *Spruce. Jungermannia* Hook.

Wet rocks by mountain streams. Rare.

First record, *The Flora.*

G1. Blackdean Brook, Woodlands.

SCAPANIA *Dum.*

S. compacta *Dum. Jungermannia* Roth.

Sand and grit rocks. Rare.

First record, *The Flora.*

G2. Stream from Stoke Flat, Froggatt.

T1. S.E. side of Bradley Wood on sand rock, and on pathways in the wood.

S. æquiloba *Dum. Jungermannia* Schwaeg.

Shady limestone rocks. Frequent.

First record, *Pearson*, 1900.

L. Walls, Miller's Dale; Castleton, *Hb. Whitehead.* Ashwood Dale; Ravensdale; Chee Dale; Monsal Dale, with fruit, *Hb. Holt.* Monk's Dale; Via Gellia; Brassington Rocks.

S. aspera *Muell & Bern. S. æquiloba* f. *dentata* Mass.

Limestone rocks, rare elsewhere. Not uncommon.

First record, *M.E.C., Rep.*, 1901.

L. Great Shacklow Wood; Monk's Dale; Cressbrook; Hartle Dale, Bradwell; Lathkil Dale; Via Gellia; Deep Dale, Kingsterndale; Lover's Leap, Buxton; Conies Dale, Peak Forest; Dovedale; Brassington Rocks.

G1. Combes Moss; Jarvis Clough, Ashopton.

G2. Rocky woodland near Whatstandwell Station.

C. By Fox Lane Plantation, near Baslow (named by *S. M. Macvicar*).

P. Belph Moor, Whitwell; Markland Grips, Clowne.

S. resupinata *Dum. Jungermannia* L.

Shady rocks among mountains. Rare.

First record, *Gem of the Peak*, 1840.

L. Chee Dale, with fruit; Matlock, *Hbb. Wild. and Holt.* North side of Diamond Hill, var. *minor.*

G1. Under Burbage Edge, Buxton; under Back Tor, Edale.

G2. Stream from Stoke Flat, Froggatt, var. *minor* (*t. S. M. Macvicar*).

S. nemorosa *Dum. Jungermannia* L.

Woods, streamsides, damp roadsides. Frequent.

First record (*N.H. Tutb.*, 1863)? *Fl. Ashton*, 1888.

L. Dovedale, *N.H. Tutb.*; probably mistaken for some other species, as *S. nemorosa* avoids limestone.

G1. Stirrup Wood, with fruit, *Hb. Whitehead.* Combes Moss; Back Tor, and Grinds Brook, Edale; Cowburn, Chapel; Birchin Clough, and other streams near the Snake Inn.

G2. Under White Edge, Froggatt; Bar Brook, Baslow; Littlemoor Wood, and by brook at Lea; near Kirk Ireton.

C. Between Stubbinedge Court and Great Pond, Wingerworth; Millthorpe, Holmesfield.

T1. By pathway in Bradley Wood.

S. undulata *Dum. Jungermannia* L.

Rocks in streams. Frequent.

First record, *Garner*, 1844.

L. In the Dove near its source, *Garner.* Dovedale, *N.H. Tutb.* Buxton, *Bindley.*

G1. Hayfield, *Hb. Whitehead.* Combes Moss; Crowden and Grindsbrook, Edale; Cowburn, and above Wash, Chapel; William Clough; quarry, Hogshaw Reservoir, and brook below Nithen End, Buxton; near Black Clough, Woodhead; Ashop Clough, Blackdean Brook, Birchin Clough, near the Snake Inn; R. Westend.

G2. Harland Edge, Beeley; stream from Stoke Flat, Froggatt; Umberley Brook, Chatsworth; Bar Brook, Baslow; Kelstedge; Hay Wood, Grindleford.

C. Stream at Horsley Gate.

S. purpurascens *Tayl. MSS. Jungermannia nemorosa* v. *purpurascens* Hook.

Wet rocks, swampy places. Not uncommon.

First record, *Holt MS.*, 1896.

G1. Kinderscout, *Hb. Whitehead.* Carmeadow near Hayfield; near Castleton, *Hb. Holt.* Bamford; Goyt's Moss; cloughs above Woodhead and Crowden; Grinds Brook, Edale, very fine; Ashop River, near the Snake Inn; Jarvis Clough, Ashopton.

G2. Bar Brook, Baslow; Harland Edge, Beeley; Umberley Brook, Chatsworth; Hall Dale, Rowsley; Dethick Common.

T1. Hulland Moss.

S. intermedia *Husnot.*

Rocks in mountain streams. Rare.

First record, *The Flora.*

G2. Under Raven Tor, Beeley; Gardom's Edge, and by Bar Brook, Baslow.

S. irrigua *Dum.* *Jungermannia* Nees.

Wet moorland, mosses. Not uncommon.

First record, *The Naturalist*, 1884.

G1. Kinderscout (v. *gemmipara*), *Hb. Whitehead* (1884). Crowden Brook, and near Clough Farm, Edale; Tunstead, Chapel; Goyt's Moss; by old road one mile south of Combes Edge, and east side of Corbar Hill.

G2. Above Bar Brook, Baslow; moorland west of Whitedge Moor, Padley.

T1. Hulland Moss (*M.E.C. Rep.*, 1900); marshy ground near the canal, below Findern; Shirley Park, and between it and Shirley Mill; between Bradley and Yeldersley.

S. rosacea *Dum.* *Jungermannia* Corda.

On damp rocks. Rare.

First record, *Holt MS.*, 1896.

G1. Woodhead, *Hb. Whitehead.*

S. curta *Dum.* *Jungermannia* Mart.

Banks and paths in woodland. Rare.

First record, *Fl. Ashton*, 1888

G1. Near Woodhead, *Fl. Ashton.*

S. umbrosa *Dum.* *Jungermannia convexa* Scop.

Rocks by mountain streams. Rather rare.

First record, *Manch. Crypt. Soc.*, 1880.

G1. Woodhead, *Hb. Whitehead.* Under Back Tor, Edale; Red Clough and Ashop Clough; Fairbrook.

G2. Under Raven Tor, near Beeley; stream under White Edge, Froggatt; Blake Brook, above Baslow; Chatsworth.

DIPLOPHYLLUM *Dum.*

D. albicans *Dum.* *Jungermannia* L.

Rocks, banks, and walls. Frequent.

First record, *Fl. Ashton*, 1888.

L. Dovedale, *Bindley.* Upper part of Cressbrook Dale, near Wardlow Mires, male plant; Conies Dale, Peak Forest; Back Dale, near Hindlow; north side of Diamond Hill, Buxton.

G1. Charlesworth Coombs; Kinderscout, *Fl. Ashton.* R. Sett, above Hayfield; Hollinworth Clough; Combes Moss; Goyt's Moss; Grinds Brook, and near Clough Farm, Edale, with fruit; Hogshaw Lane, Buxton.

G2. Black Rocks, Cromford, *Gibbs.* Bar Brook, Baslow; Umberley Brook, Chatsworth; Harland Edge, Beeley; Froggatt; Harper Lees, Hathersage, male; Kelstedge; Littlemoor Wood and Dethick Common.

C. Quarry in Hardwick Park.

T1. Shirley Park; Bradley Wood; Edlaston Coppy; Cross o' th' hands, and near Black Brook, Mugginton.

T2. Woods south of Dale.

T3. Near Burton, *Hb. Mason.* Anchor Church, *Bindley* Repton Rocks.

D. Dicksoni *Dum.* *Jungermannia ovata* Dicks. *J. Dicksoni* Hook.

Among rocks and on earth on mountains. Rare.

First records, *Fl. Ashton*, 1888; *Holt MS.*, 1896.

G1. Kinderscout, *Hbb. Whitehead & Holt* (1882).

LOPHOCOLEA *Dum.*

L. bidentata *Dum.* *Jungermannia* L.

Woods and banks, on earth, rotting wood, and stones. Common.

First record, *Fl. Ashton*, 1888.

L. Miller's Dale; near Buxton, *Hb. Whitehead.* Brassington Rocks.

G1. Stirrup Wood, Charlesworth, *Hb. Whitehead.* Castleton, *Carr.*

P. Markland Grips, Clowne; Belph Moor, Whitwell; Cresswell Crags; near Pleasley; Scarcliffe Park.

T1. Mickleover; Kirk Langley; Radbourn, *Bindley.* Shirley Park; Corley, near Bradley; Longford; Alkmonton.

T3. Anchor Church, *Bindley.* Repton Rocks; Sharp's Bottom, Hartshorn.

L. cuspidata *Limpr.* *L. bidentata* v. *cuspidata* Nees.

Woods, banks, on earth, stones, and wood. Not uncommon.

First record, *Fl. Ashton*, 1888.

L. Near Taddington.

G1. Stirrup Wood, *Hb. Wild.* Near the Snake Inn; by R. Noe, Edale.

G2. Rocky wood near Whatstandwell Station.

C. Walton Wood, near Chesterfield.

P. Pleasley Park; Markland Grips, Clowne.

T1. Edlaston Coppy; Longford; Shirley Park; Nether Biggin, near Hulland.

T3. Sharp's Bottom, Hartshorn.

L. heterophylla *Dum.* *Jungermannia* Schrad.

Base of trees, rotting stumps, stones. Frequent.

First record, *Fl. Ashton*, 1888.

L. Stones and trees frequent, fruiting abundantly, Chee Dale; Ravensdale, *Holt MS.* Monk's Dale; Masson Hill, and Via Gellia; Great Shacklow Wood; Ashwood Dale; Dovedale; Madge Boose, near Kniveton.

G1. Stirrup Wood, *Fl. Ashton.* Ashop Clough.

G2. Harper Lees, near Hathersage.

C. Sutton Spring Wood, near Chesterfield; Ault Hucknall; Hardwick.

P. Markland Grips; Langwith Wood; Scarcliffe Park; Pleasley Park.

T1. Mickleover; Littleover; Radbourn, *Bindley.* Shirley Park; by Bradley Brook; Edlaston Coppy; between Old Yeldersley and Brailsford; Black Brook, Mercaston; Longford.

T2. In woods south of Dale.

T3. Foremark Bottoms; Sharp's Bottom, Hartshorn.

L. spicata *Tayl.*

Damp rocks in woods. Very rare.

First record, *The Flora.*

G2. Harper Lees, Hathersage.

CHILOSCYPHUS *Dum.*

C. polyanthus *Dum.* *Jungermannia* L.

Wet places in woods, in springs and streams. Frequent.

First record, *Fl. Ashton*, 1888.

L. Monsal Dale, *Hb. Whitehead.* Ashwood Dale; Chee Dale, with fruit, *Hb. Holt.* Taddington Dale; near Topley Pike.

G1. Kinderscout, with fruit; near Glossop, *Hb. Holt.* Near Jaggers Clough, under Win Hill; Hollinworth Clough, and R. Sett, near Hayfield; Combes Moss; Roych Brook, near Chapel; Higher Cliff, Strines; Grinds Brook, Edale; near Crowden; in a spring near the Snake Inn.

G2. Froggatt; under Raven Tor, near Beeley; Hall Dale, near Rowsley; by the brook at Lea; Whatstandwell, towards Matlock Bath; Chatsworth; Bar Brook, Baslow.

T1. Hulland Moss; marsh by the railway below Findern.

T3. Repton Rocks.

Var. *rivularis* Nees.

L. Castleton, *Hb. Holt.*

G1. Charlesworth Coombs, *Hb. Whitehead.* Kinderscout, *Fl. Ashton.*

T1. Brailsford Brook.

MYLIA *Gr. & B.*

M. Taylori *Gr. & B.* *Jungermannia* Hook.

Wet moorland, moist rocks. Rare.

First record, *Fl. Ashton*, 1888.

G1. Charlesworth Coombs, with fruit, *Hb. Whitehead* (1879). Kinderscout, *Fl. Ashton.* Sources of Grinds Brook, 2000 feet, and damp side of the clough, lower down.

C. Leys Fen, near Baslow.

M. anomala *Gr. & B.* *Jungermannia* Hook.

Wet moorland, spongy sides of streams, etc. Rather rare.

First record, *Fl. Ashton*, 1888.

G1. Kinderscout, with fruit, *Hb. Whitehead.* Nethermoor, near Jaggers Clough.

G2. Harland Edge, Beeley; Umberley Brook, near Chatsworth; Bar Brook, above Baslow; Burbage Brook; Eyam Moor.

PEDINOPHYLLUM *Lindb.*

P. interruptum *Lindb.* *Plagiochila interrupta* Dum. *Jungermannia* Nees. *Leptoscyphus* Mitt.

Shady limestone rocks. Rare.

First records, *Syn. Hep.*, 1844; *The Naturalist*, 1883.

L. Matlock (*Wilson*); Chee Dale; Miller's Dale; Ravensdale, all with fruit, *Hb. Holt.*

PLAGIOCHILA *Dum.*

P. asplenioides *Dum.*

Shady woods, rocks. Not unfrequent.

First record, *Fl. Ashton*, 1888.

L. Dovedale; Deep Dale, near Buxton; Lathkil Dale.

G1. Mellor, *Fl. Ashton.*

G2. Gardom's Edge, near Baslow.

P. Cresswell Crags; Markland Grips; Scarcliffe Park.

T1. Cupiss Lane, Brailsford; between Sturston Mill and Underwood, and side of main road to Derby, Ashbourne; Rodsley, laneside towards Shirley.

T3. Anchor Church, *Bindley.*

Var. *Dillenii* Tayl.

The small form, commoner than the type, and especially prevalent on limestone.

L. Matlock; Wormhill, *Hb. Whitehead.* Ashwood Dale, frequent; Chee Dale; Miller's Dale, *Hb. Holt.* Jennings Dale, Bradwell, *Snelgrove.* Cressbrook; Taddington Dale; Conies Dale, Peak Forest; Lathkil Dale; Dovedale, abundant; near Monyash; north side of Diamond Hill, Buxton.

G1. Near the Snake Inn; under Back Tor, Edale.

G2. Harper Lees, Hathersage; Froggatt.

T1. Mickleover, *Bindley.*

[**P. tridenticulata** Tayl., published in *The Naturalist*, July 1881, belongs to P. *Dillenii*, fide W. H. Pearson.]

P. spinulosa *Dum.* *Jungermannia* Dicks.

Damp shady places, avoiding limestone. Rare.

First record, *The Flora.*

G1. Under Back Tor, Edale.

T3. Near Burton, *Hb. Mason.*

JUNGERMANNIA *L.*

J. cordifolia *Hook.* *Aplozia* Dum.

Wet rocks, and by mountain streams. Rare.

First record, *M.E.C. Rep.*, 1900.

G1. Near Hayfield, *M.E.C. Rep.* Fairbrook, near the Snake Inn; Ashopton; Grinds Brook, Edale; R. Sett, above Hayfield.

J. pumila *With.* *Aplozia* Dum.

Wet rocks, mostly by streams. Rather rare.

First record, *The Naturalist*, 1887.

L. Near Buxton, *Wilson* (1831) *in Natt.* On damp rocks by the roadside, near Taddington; Masson Hill, Matlock; Great Rocks Dale, near Buxton.

G1. Oyster Clough; Blackdean Brook; Ashop Clough, all near the Snake Inn; roadside rocks above Slackhall, Chapel; Grinds Brook, and wooded slope above R. Noe, Edale.

G2. Rocks above Froggatt; Harper Lees, Hathersage; Bar Brook, and brook near Robin Hood's Inn, near Baslow.

J. riparia *Tayl.* *Aplozia* Dum.

Damp rocks, usually by streams or in shade, preferring limestone. Frequent.

First found, *Wilson*, 1831 ; record, *Holt MS.*, 1896.

L. Castleton, *Hb. Whitehead.* Ashwood Dale ; Miller's Dale ; near Buxton (*Wilson*), *Hb. Holt.* Taddington Dale ; Chee Tor ; Monk's Dale ; Cressbrook ; Conies Dale, Peak Forest ; Via Gellia ; Hartle Dale, Bradwell ; Dovedale, abundant ; north base of Harper Hill.

G1. Between the Snake Inn and Glossop, at the 1680 feet level ; Blackdean Brook ; Fairbrook ; Birchin Clough ; Roych Clough, Chapel ; Grinds Brook, Edale.

G2. Umberley Brook, Chatsworth ; Bar Brook, Baslow ; Hay Wood, Grindleford.

P. Markland Grips, Clowne.

Var. *minor* Carr & Pears.

L. Miller's Dale ; Monsal Dale ; Ashwood Dale, *Hb. Holt.*

J. sphærocarpa *Hook.* *Aplozia* Dum.

Damp rocks, among stones, by streams or among heather. Frequent at high levels.

First record, *Holt MS.*, 1896.

L. Deep Dale, near Kingsterndale, *M.E.C. Rep.*, 1899. Near Taddington ; R. Dove, near Chrome Hill.

G1. Stirrup Wood ; Edale, *Hb. Whitehead.* Kinderscout, *Hb. Holt* (1883). Goyt's Clough ; Combes Moss ; Hollinworth Clough ; William Clough ; Roych Clough, near Chapel ; Jarvis Clough, Ashopton ; Ashop Clough, and Nether Yates Clough ; Oyster Clough, and Birchin Clough, near the Snake Inn ; below south end of Stanage Edge ; brook below Nithen End, and north end of Axe Edge.

G2. Umberley Brook, near Chatsworth ; Bar Brook, Baslow ; Curbar Edge ; Redcar Brook, above Dore.

Var. *lurida* (Dum.). *Aplozia* Dum. *J. nana* Nees.

A slight variety of *J. sphærocarpa* ; see Pearson, 298.

First record, *Manch. Crypt. Soc.*, 1880.

G1. Near Woodhead, *Manch. Crypt. Soc.* Mellor ; Edale, *Hb. Holt.* Kinderscout, *Fl. Ashton.*

J. crenulata *Sm.* *Aplozia* Dum.

Moorland, damp banks. Not uncommon.

First record, *Holt MS.*, 1896.

L. Quarry near Castleton, *Hb. Holt.* Deep Dale, near Kingsterndale, *M.E.C. Rep.*, 1899.

G1. Nether Yates Clough, and Ashop Clough.

G2. Umberley Brook, Chatsworth ; Harland Edge, Beeley.

C. By Fox Lane Plantation, above Baslow ; Monk's Wood, near Sheepbridge.

T1. By Black Brook, near Mugginton.

Var. *gracillima* Sm. *Aplozia* Dum. *J. Genthiana* Huebn.

On damp rocks, by streams, in woods. Not uncommon.

L. Ashwood Dale; Conies Dale, Peak Forest; Masson Hill, Matlock; on the higher ledges in Dovedale.

G1. Near the Snake Inn; Blackdean Brook; Birchin Clough; Ashop Clough, and Nether Yates Clough; Grinds Brook, and near Clough Farm, Edale; Goyt's Moss; Chinley Hills; R. Sett, near Hayfield; Tunstead, near Chapel; Roych Clough, and Cowburn; Higher Cliff, Strines; Hogshaw Lane, and under Burbage Edge, Buxton, and east side of Corbar Hill.

G2. Bechagg Wood, Froggatt; Bar Brook, Baslow; Hipper Sick, East Moor; Bakewell Lane, a little above the Station, Harper Lees, Hathersage; Harland Edge, Beeley; Burbage Brook; Littlemoor Wood, near Dethick.

C. Laneside near Bagthorpe Farm, Old Brampton.

T1. Shirley Park, by the brook.

J. inflata *Huds.* *Gymnocolea* Dum.

Wet moorland, bogs and swamps. Frequent.

First record, *Fl. Ashton*, 1888.

L. Hartle Dale, near Bradwell, a flagelliferous state, *M.E.C. Rep.*, 1899.

G1. Hayfield; Kinderscout, *Fl. Ashton.* Woodhead, *Hb. Whitehead.* Combes Moss; Goyt's Moss; Roych Clough, near Chapel; Hollinworth Clough, north of Hayfield; Crowden Brook, Edale; Oyster and Ashop Cloughs, Woodlands; Jarvis Clough, Ashopton.

G2. Froggatt; Harland Edge, Beeley; Birchen Edge, and by Bar Brook, Baslow; Curbar Edge; Redcar Brook, above Dore; Hall Dale, near Rowsley; Littlemoor Wood, and Dethick Common.

T1. Hulland Moss.

Var. *compacta* Nees.

G1. Near Edale Head, and under Back Tor; Nether Moor, Jaggers Clough; by Burnt Hill, Hollinworth Clough.

G2. Bar Brook.

C. Ramsley Moor, near Baslow.

J. turbinata *Raddi.* *J. affinis* Wils. *Gymnocolea* Dum.

Damp limestone rocks and banks. Frequent.

First record, *Holt MS.*, 1896.

L. Monsal Dale, male (1879); Miller's Dale, with fruit (1882); Ashwood Dale and Ravensdale (1883); Burbage (*Wild*), *Hb. Holt.* Hartle Dale, near Bradwell; Conies Dale, Peak Forest; Great Shacklow Wood, Ashford; Deep Dale, near Buxton; Monk's Dale; Lathkil Dale; Via Gellia, Masson Hill, and Wensley Dale, near Matlock; Dovedale; Brassington Rocks.

J. bantriensis *Hook.* v. Muelleri *Nees.* *Lophozia* Dum.

Damp limestone rocks and earth. Rather rare.

First record, *Holt MS.*, 1896.

L. Ashwood Dale; Chee Tor; The Winnatts, *Hb. Holt.* Rocks on the north side of Diamond and Harper Hills; Taddington Dale; Deep Dale; Great Shacklow Wood; Hartle Dale, Bradwell; near Monyash; Brassington Rocks; Dovedale. (In *M.E.C. Repp.* for 1898 and 1899, some of the above were erroneously named *J. alpestris*, but were corrected by *S. M. Macvicar* and *Herr Kaalaas.*)

P. Markland Grips, near Clowne.

Var. *acuta* Lindenb. *Lophozia* Dum.

L. Ashwood Dale; Ravensdale, *Hb. Holt.* Upper part of Dovedale beyond Lode Mill (*named by S. M. Macvicar*); Back Dale, near Hindlow.

J. capitata *Hook.* *J. exscisa* Dicks. *J. intermedia* Lindenb.

Earth among rocks and on banks. Rare.

First record, *N.H. Tutb.*, 1863.

L. Great Rocks Dale, near Buxton.

T1. Laneside between Old Yeldersley and Hollies Farm, near Bradley; between Shirley Park and Mill.

T3. Repton Rocks, *N.H. Tutb.*

J. bicrenata *Schmidel.* *Lophozia* Dum.

Moist sandy places, turfy banks, rocks, limestone slopes. Rare.

First record, *The Flora.*

L. Upper part of Cressbrook Dale, near Wardlow Mires; Dovedale.

G2. Quarries between Little Eaton and Brackley Gate.

T1. Railway bank, south of Mickleover Station; sandstone at Edlaston Coppy.

J. ventricosa *Dicks.* *Lophozia* Dum.

Among rocks and heather, on moors and in woods. Frequent.

First record, *Fl. Ashton*, 1888.

L. Conies Dale, Peak Forest; Horseshoe and Deep Dales, near Buxton; Dovedale.

G1. Kinderscout, with fruit; Charlesworth Coombs, with fruit, *Fl. Ashton.* Edale; on a wall at Mellor, *Hb. Holt.* Near Little Hayfield, *Barker.* Under Back Tor; Chinley Hills; Combes Moss; Goyt's Moss; Hogshaw Lane, Buxton; Axe Edge; Wildboar Clough, Crowden; Ashop Clough; near Lady Bower Inn, Ashopton; Birchin Clough, near the Snake Inn.

G2. Harland Edge, and under Raven Tor, Beeley; Froggatt; Hipper Sick, Eastmoor; Bar Brook, and Birchen Edge, Baslow; Cromford Moor; rocky wood near Whatstandwell Station; Littlemoor Wood, and Dethick Common; quarries between Little Eaton and Brackley Gate.

C. Quarry in Hardwick Park.

T1. Sandstone rock at Bradley Wood; Shirley Park; on a heath by the railway below Findern.

T3. Near Burton, *Hb. Mason.* Repton Rocks (the form *J. Mildei* G.).

Var. *porphyroleuca* Nees.

L. Horseshoe Dale, near Kingsterndale.

J. incisa *Schrad.* *Lophozia* Dum.

Damp rocks, moorland, often by streams. Not uncommon.

First record, *Fl. Ashton*, 1888.

G1. Near Woodhead, *Fl. Ashton.* Abundant in Grinds Brook, Edale, up to 1750 feet; at several places in Ashop Clough; Combes Moor, and Fairbrook, near the Snake Inn.

G2. Under Raven Tor, near Beeley; Hipper Sick, East Moor; quarries between Little Eaton and Brackley Gate.

J. exsecta *Schmidel.* *Lophozia* Dum.

Rocky woodland. Rare.

First record, *The Flora.*

G2. Under Gardom's Edge, Baslow; stream from Stoke Flat, Froggatt; rocky woodland near Whatstandwell Station; quarries between Little Eaton and Brackley Gate.

J. Lyoni *Tayl.* *J. quinquedentata* Web. & Mohr.

On shady banks and rocks, preferring limestone. Rather rare.

First record, *Holt MS.*, 1896.

L. Ashwood Dale; Ravensdale; Chee Dale, *Hb. Holt.* Via Gellia; Monk's Dale; Great Rocks Dale; Lover's Leap, north side of Diamond Hill, and Deep Dale, near Buxton; Lathkil Dale; Hartle Dale, near Bradwell; Conies Dale, Peak Forest; Dovedale.

G1. Back Tor, Edale.

J. gracilis *Schleich.* *J. attenuata* Lindenb.

Rocky moorland slopes, heathland. Not uncommon.

First record, *Fl. Ashton*, 1888.

G1. Charlesworth Coombs; Kinderscout; Woodhead, *Fl. Ashton.* Mellor, *Hb. Whitehead.* Back Tor, and by R. Noe, Edale; Combes Moss; Chinley Hills; near Ladybower Inn, Ashopton; R. Sett, near its source; Grinah Stones, Bleaklow Hill; Birchin Clough, near the Snake Inn; Stanage Edge.

G2. Harland Edge, Beeley; Froggatt; Curbar Edge; Harper Lees, and near Higgar Tor, Hathersage; Birchen and Gardom's Edges, near Baslow; Hall Dale, Rowsley; rocky woodland near Whatstandwell Station; Black Rocks, Cromford; near Oxdale Lodge, Ringinglow; lane north east from Little Eaton.

T2. Sandstone rocks by the pathway from Sandiacre to Stanton.

J. barbata *Schreb.* *Lophozia* Dum.

On shady rocks and banks. Rather rare.

First record, *Engl. Bot.* (*R. Teesdale*, 1788), 1813. *J. quinquedentata.*

L. Ravensdale, near Wardlow Mires; in grass above Monyash, 1000 feet.

G1. Grinah Stones, Bleaklow Hill; Hogshaw Lane, Buxton; Crowden, Edale.

G2. Cromford Moor, *Engl. Bot.* Gardom's Edge, Baslow.

J. lycopodioides *Wallr.* *Lophozia* Cogn.

Among rocks or on mountain moors. Rare.

First record, *The Flora.*

G1. Goyt's Moss; Chinley Hills; Rising Clough, near the Sheffield Road.

C. Ramsley Moor, above Baslow.

Var. *Floerkii* Web. & Mohr.

First record, *Fl. Ashton*, 1888.

L. Ashwood Dale, *Hb. Holt.*

G1. Kinderscout; Charlesworth Coombs; near Woodhead, *Fl. Ashton.* Chapel-en-le-Frith, *Hb. Whitehead.* Goyt's Moss; Hollinworth Clough; R. Sett, above Hayfield; Combes Moss; William Clough; Grinds Brook, and Back Tor, Edale; near the Beet, Buxton; near the Snake Inn; Jarvis Clough, Ashopton; Axe Edge.

G2. Bar Brook, above Baslow; Curbar Edge; Redcar Brook, above Dore.

C. Roadside above Unthank.

T3. Near Burton, *Hb. Mason.*

J. minuta *Crantz.* *Diplophyllum* Dum.

Rocks on moorland. Very rare.

First record, *The Naturalist*, 1882.

G1. Kinderscout, *Hb. Holt* (1881). Hayfield, *Hb. Whitehead.*

NARDIA *Gr. & Benn.*

N. hyalina *Carr.* *Jungermannia* Lyell. *Aplozia* Dum.

Moist clay banks. Rare.

First record, *The Naturalist*, 1887.

L. Near Buxton, with fruit, *Wilson* (1831) *in Natt.* Probably in Dovedale, as it occurs on the Staffordshire side.

N. obovata *Carr.* *Southbya* Dum. *Jungermannia* Carr. *Eucalyx* Lindb.

Damp rocks by mountain streams. Rare.

First record, *The Flora.*

G1. By R. Sett above Hayfield; below Wild Moor, near the Goyt; near source of a stream which descends from The Edge into Ashop Clough; Blackdean Brook; Birchin Clough, Fairbrook, and R. Ashop, near the Snake Inn; abundant in Grinds Brook, Edale.

G2. Stream from Stoke Flat, Froggatt.

N. compressa *Gr. & B.* *Jungermannia* Hook. *Alicularia* G.L.N. *Mesophylla* Dum.

On rocks in and by mountain streams. Rather rare.

First record, *Fl. Ashton*, 1888.

G1. Kinderscout, *Hb. Whitehead.* Carmeadow, near Hayfield, *Fl. Ashton.* Near the head of Crowden Brook, 2000 feet; Wildboar Clough, and near Black Clough, Crowden; Combes Moss; Goyt's Moss; Ashop and Birchin Cloughs; R. Westend; brook south of Nithen End, Buxton.

G2. Umberley Brook, near Chatsworth.

N. scalaris *Gr. & B.* *Jungermannia* Schrad. *Mesophylla* Dum. *Alicularia* Corda.

Moorland slopes, banks and paths in woods, and among rocks. Frequent.

First record, *Fl. Ashton*, 1888.

G1. Kinderscout, *Fl. Ashton*. Edale, with fruit, *Hb. Whitehead*. Hayfield, with fruit, *Hb. Holt*. Back Tor; Crowden; Chinley Hills; Blackdean Brook; Ashop Clough; Oyster Clough, and near Snake Inn; Higher Cliff, Strines; Reeve Edge Quarry, Axe Edge.

G2. Bar Brook, Baslow; near Higgar Tor, Hathersage; Froggatt; Manners Wood, Chatsworth; Harland Edge, Beeley; quarries between Little Eaton and Brackley Gate.

C. Moor Lawn Wood, Holymoorside; Unthank; Brackenfield Green.

T1. Edlaston Coppy; heathery slope by Black Brook, near Mugginton; Shirley Park; Cross o' th' hands, Hulland Ward; Bradley Wood.

T3. Near Burton; Repton Rocks, *Hb. Mason*.

N. silvrettæ (*Gottsche*). *Jungermannia* Gottsche. *Sarcoscyphus* Jack in lit. *Alicularia minor* Limpr. p.p. *N. geoscypha* v. *suberecta* Mass.

Moorland, damp banks. Rare.

First record, *The Flora*.

G1. Near Grinds Brook, Edale.

MARSUPELLA *Dum.*

M. emarginata *Dum.* *Jungermannia* Ehrh. *Sarcoscyphus Ehrharti* Corda.

Wet rocks, mostly by streams. Not uncommon.

First record, *Fl. Ashton*, 1888.

G1. Kinderscout, *Hb. Holt*. Woodhead, *Hb. Whitehead*. Crowden Head, near Hayfield; near Edale Head; by the Roych, Chapel; Goyt's Moss; Combes Moss; Ashop Clough; Blackdean Brook, near the Snake Inn; Wildboar Clough, Crowden; near Ladybower Inn, Ashopton.

G2. Bar Brook, near Baslow.

FOSSOMBRONIA *Raddi.*

F. pusilla *Dum.* *Jungermannia* L.

Damp clay fallows, moist banks, woods. Frequent.

First records, *Holt MS.*, 1896; *M.E.C. Rep.*, 1900.

L. Hartle Dale, Bradwell; lower part of Monk's Dale.

G1. Stirrup Wood (?), *Hb. Holt*.

G2. Between Curbar and Froggatt; Birchill Bank Wood, Baslow; New Piece Wood, Chatsworth.

C. Walton Wood, near Chesterfield; Millthorpe; Linacre Wood, and near Bagthorpe Farm, Old Brampton; Moor Lawn Wood, and Nether Loads, Holymoorside; Great Pond, Wingerworth; Alfreton Brook.

P. Langwith Wood.

T1. Near Bradley Park Farm, and near Hole-in-the-Wall, Bradley; fallows near the Hollies Farm, Yeldersley; Shirley; near Cascus and Burton Sluts, Brailsford; pondside near the Hall Farm, Ednaston; by Hulland Moss.

BLASIA *Mich.*

B. pusilla *L.* *Jungermannia blasia* Hook.

Sandy fields, banks, &c. Rare.

First record, *N.H. Tutb.*, 1863.

G1. Banks near Castleton, with fruit, *Hb. Whitehead.*

T3. Newton Solney Lane, *N.H. Tutb.*

PELLIA *Raddi.*

P. epiphylla *Corda.* *Jungermannia* L.

Ditchsides, damp places, woods, ascending to high levels. Common.

First record, *Gem of the Peak*, 1840.

L. Dovedale.

G1. Ashop Clough, and near Blackdean Brook; Grinds Brook, Edale.

G2. Hall Dale, Rowsley; Littlemoor Wood, Dethick.

T1. Mickleover, *Bindley.* Hulland Moss; bog below Bradley Wood; Shirley Brook; Edlaston Coppy.

T2. Damp rocks in woods south of Dale.

T3. Repton Shrubs and Rocks, *Hb. Mason.* Anchor Church, *Bindley.*

P. Neesiana *Gottsche.*

Wet boggy places, by mountain rivulets. Rare.

First record, *The Flora.*

G1. Grinds Brook, Edale, and by stream under Back Tor.

G2. Moorland west of Whitedge Moor, Padley.

P. endiviæfolia *Dicks.* *P. calycina* Nees. *Jungermannia* Mack.

Wet places, bogs, by streams. Not uncommon.

First record, *Fl. Ashton*, 1888.

L. Ashwood Dale; Ravensdale, in both with fruit, *Hb. Holt.* Taddington Dale; Via Gellia; Monk's Dale; Conies Dale, Peak Forest.

G1. Stirrup Wood, *Fl. Ashton.* Grinds Brook, Edale; Blackdean Brook; Ashop Clough.

G2. Cromford, *Hb. Mason* (?). Moor near "Surprise View," Hathersage, *Carr.* Froggatt; Harland Edge, Beeley; Hall Dale, Rowsley; Whatstandwell.

P. Poulter Brook, Langwith Wood (*named by M.B. Slater*); Markland Grips.

T1. Mickleover; Radbourn, *Bindley.* Shirley Park; Black Brook, Mugginton; bog below Bradley Wood; Hulland Moss.

ANEURA *Dum.*

A. multifida *Dum.* *Jungermannia* L.

On moist clay fallows, damp banks. Frequent.

First record, *The Flora.*

L. Monk's Dale; Lathkil Dale; Back Dale, near Hindlow.

G2. Bar Brook, Baslow; by pond in Chatsworth Park; below Sheriff Wood, Grindleford.

P. Markland Grips, Clowne.

T1. Mickleover, *Bindley*. Bog below Bradley Wood ; limequarries, Snelston Common ; by Brailsford Brook ; between Rodsley and Wyaston ; near Tinker's Inn, Clifton ; near Findern, by the canal.

A. ambrosioides (*Nees*). *A multifida* var. *ambrosioides* Nees.

Wet places among rocks and moss. Rare.

First record, *Holt MS.*, 1896.

G1. Hayfield, *Hb. Holt*. Grinds Brook, Edale, abundant.

G2. Eyam Moor, and a giant aquatic form in the sich on the north side.

T1. Hulland Moss, abundant.

A. sinuata *Dicks*. *A. pinnatifida* Nees. *Jungermannia* Nees.

Wet vertical rocks, dripping banks. Rare.

First records, *Holt MS.*, 1896 ; *M.E.C. Rep.*, 1900.

G1. William Clough ; Fairbrook, Woodlands ; wet streamy slope near Crowden Station ; under Raven Tor, Beeley ; cascade in stream, Froggatt Edge *M.E.C. Rep.*

A. pinguis *Dum*. *Jungermannia* L.

Moist soil among grass, moss, and in bogs. Not uncommon.

First record, *M.E.C. Rep.*, 1900.

L. Masson Hill, Matlock Bath ; in wet moss at the top of Cressbrook Dale, near Wardlow Mires ; Monk's Dale ; Ashwood Dale ; north base of Harper Hill ; Madge Boose, near Kniveton ; old quarry on Fairfield Common.

G1. Dimpus Clough, near Chinley ; Grinds Brook, and Crowden Brook, Edale ; Jaggers Clough ; by Ashop River, Woodlands ; roadside rocks above Slackhall, Chapel.

G2. Bar Brook, Baslow ; Harper Lees, Hathersage ; Eyam Moor ; Hipper Sick, East Moor ; cascade in the stream, Froggatt Edge ; between Whatstandwell and Cromford.

C. Greaves Piece, near the Peacock Inn.

P. Quarry near Whitwell Station.

T1. Clay fallows at Yeldersley, and near Tinker's Inn, Clifton ; near Spinnyford Brook, Hulland, and Hulland Moss.

T3. Repton Rocks.

Var. *denticulata* Nees.

Mostly in limestone districts. *Holt MS.*, 1896.

L. Miller's Dale (1882) ; Castleton, *Hb. Holt*.

G1. Mellor, *Hb. Holt*.

T3. Repton Rocks, *Hb. Mason*.

METZGERIA *Raddi*.

M. pubescens *Raddi*. *Jungermannia* Schrank.

Shady limestone rocks. Not uncommon.

First record, *Eng. Bot. Suppt.*, ii. 1834.

L. Shady limestone rocks near Buxton, *Wilson* (*May*, 1831) *in E.B.* Castleton; Miller's Dale, *Hb. Whitehead.* Chee Dale; Ravensdale, *Hb. Holt.* Conies Dale, Peak Forest; Hartle Dale, Bradwell; Ashford; Dovedale; Brassington Rocks.

P. Markland Grips, Clowne; Cresswell Crags.

M. furcata *Dum. Jungermannia* L.

Tree trunks and rocks. Frequent.

First record, *Holt MS.*, 1896.

L. Chee Dale; Miller's Dale, *Hb. Whitehead.* Ravensdale, *Hb. Holt.* Monk's Dale; Great Shacklow Wood; Great Rocks Dale; between Monyash and Sheldon; Dovedale.

G2. Harper Lees, Hathersage; woods, Grindleford.

P. Cresswell Crags; Markland Grips.

T1. By the Henmoor Brook, at Corley; Peathays, Shirley, and by the water-wheel in Shirley Park.

SUB-ORDER II. MARCHANTIACEÆ.

MARCHANTIA *Mich.*

M. polymorpha *L.*

Marshes, ditchsides, damp shady rocks. Frequent.

First record, *Fl. Ashton*, 1888.

L. Near Tideswell, *Hb. Whitehead.* Ravensdale; Monsal Dale, *Hb. Holt.* Cales Dale; Dovedale.

G1. Frequent about Mellor, *Fl. Ashton.* Common about Fernilee and neighbourhood, *Barker.* Hollinworth Clough, above Hayfield; Fairbrook, near the Snake Inn; near Lady Bower Inn, Ashopton.

G2. Alton, *Hb. Mason.* Umberley Brook, East Moor.

T1. Mickleover; Findern, *Bindley.* Shirley Brook; marshy ground by the canal below Findern.

T2. Canal bank near Chaddesden, and below Osmaston; Risley.

T3. Stapenhill, *Hb. Mason.* Anchor Church, *Bindley.* Sharp's Bottom, Hartshorn.

FEGATELLA *Raddi.*

F. conica *Raddi. Marchantia* L. *Conocephalus* Necker.

Ditchsides, shady rocks and banks. Not uncommon.

First record, *Holt MS.*, 1896.

L. Barren plants frequent by R. Wye; Ashwood Dale, with fruit; Monsal Dale, *Hb. Holt.* Monk's Dale; Wensley Dale, near Snitterton; Dovedale; Lover's Leap.

G1. Grinds Brook, Edale; William Clough; brook above Wash, Chapel.

C. Nether Loads, Holymoorside.

P. Markland Grips, near Clowne; woods near Scarcliffe.

T1. Blackwood, Mickleover, *Bindley*.

T3. Near Burton, *Hb. Mason*. Anchor Church, *Bindley*. Sharp's Bottom, Hartshorn.

REBOULIA *Raddi*.

R. hemisphærica *Raddi*. *Marchantia* L. *Asterella* P. Beauv.

Shady rocks, preferring limestone, occasionally on sandstone. Frequent.

First record, *N.H. Tutb.*, 1863.

L. Castleton, with fruit; Miller's Dale, *Hb. Whitehead*. Dovedale, *N.H. Tutb.* Diamond Hill; Deep Dale, and Great Rocks Dale, near Buxton, with fruit; near Ashford; Cressbrook; near Bradwell; Wensley Dale, near Snitterton; Back Dale, and Dowel Dale, near Hindlow.

P. Markland Grips, near Clowne.

T2. Sandstone rock in a lane north of the church, Sandiacre.

PREISSIA *Nees*.

P. commutata *Nees*. *Marchantia* Lindb.

On rocks and banks, preferring limestone. Rather rare.

First record, *The Naturalist*, 1882.

L. Ashwood Dale; Ravensdale; male plant plentiful on a heap of cinders in Ashwood Dale, *Hb. Holt*. Chee Dale, *Nat^t.* (*Perrin*).

T3. Near Burton, *Hb. Mason*.

LUNULARIA *Mich*.

L. vulgaris *Mich*.

Bare soil, damp rocks and walls. Frequent.

First record, *The Flora*.

L. Matlock Bath; Lathkil Dale.

G1. By Bank Hall, Chapel.

G2. Umberley Brook, near Chatsworth; Stoke Hall, Grindleford.

T1. Damp soil near the waterwheel, Shirley Park, and in gardens, Shirley.

TARGIONIA *Mich*.

T. hypophylla *L*.

Limestone rocks. Rare.

First record, *M.E.C. Rep.*, 1900.

L. Upper rocks north of Reynard's Cave, Dovedale.

SUB-ORDER III. RICCIACEÆ.

RICCIA *Mich*.

R. sorocarpa *Bisch*.

On earth among rocks; sandy fields. Rare.

First record, *Holt MS.*, 1896.

L. Miller's Dale, *Hbb. Pearson and Holt*.

R. glauca *L*.

Among rocks on limestone; sandy fields. Common.

First record, *Fl. Ashton*, 1888.

L. Chee Dale, *Hbb. Pearson and Whitehead* (1879). Miller's Dale; fallowfield, Chee Tor, *Hb. Holt.* Monsal Dale; Monk's Dale; Cressbrook; Dimminsdale, Ashford; Great Rocks Dale; Back Dale, near Hindlow; Conies Dale, Peak Forest; Via Gellia; Dovedale.

G1. Stirrup Wood, *Fl. Ashton.*

T1. Mickleover, *Bindley.* Ravensdale Park, Mugginton; cart track from Shuckston Manor to Hulland Ward; near Bradley Park Farm; fallows near Cockshuthill Farm, Weston-under-Wood; fallows west of Allestree Park; near Shirley Park; in and about the Holt, Edlaston; near Pool Head, Brailsford.

RICCIELLA *Braun.*

R. fluitans *L.*

Floating in pools. Rare.

First record, *The Flora.*

T1. Abundant in a pond between Meynell Langley and Kedleston Park.

SUB-ORDER IV. ANTHOCEROTACEÆ.

ANTHOCEROS *Mich.*

A. punctatus *L.*

Moist sandy or marly places, ditchbanks, quarries. Very rare.

First record, *The Flora.*

G2. At the foot of vertical rocks in quarries between Little Eaton and Brackley Gate.

ALGÆ.

CHARACEÆ.

CHARA *L.*

C. fragilis *Desv.*

Native. Pools, rivers, ditches. Rather rare. P. June-July.

Records, *B.L. Rec.*, 1884-6, 113, "Derby, 1883"; *J.B.*, 1885, 81.

G2. Canal between Cromford and Whatstandwell, *Bailey*, *B.L. Rec*

C. Ponds, Sutton Scarsdale.

T1. Marsh by the railway below Findern.

T2. Pool south of Trent Station.

C. hispida *L.*

Native. Pools, rivers. Very rare. P. June-Sept.

First record, *Glover*, 1829.

L. Wardlow, *Searle*, *C.D.*

T2. Bretby Ponds, *Nowers* (1883). Drakelow, *N.H. Tutb.*

C. vulgaris *L.*

Native. Ponds, ditches, canals. Frequent. P. June-Aug.

First record, *Glover*, 1829.

L. Near Cressbrook Dale, *Searle, C.D.* Monsal Dale, *Bailey, C.D.* Matlock, *Levinge.* Lode Mill, Dovedale, *Purchas.* Lathkil Dale, near Youlgreave; pools opposite Great Shacklow Wood; Brough.

C. Canal near Killamarsh; Pebley Pond.

P. Harlesthorpe, near Clowne; near The Walls, Whitwell.

T1. Swamp near the river, Marston-on-Dove; Radbourn.

T2. Canal below Chellaston.

T3. Ponds, Ticknall Lime Works, *Bloxam.* Canal near Egginton.

Var. *longibracteata* Kuetz. "Derby, 1882, *Blow*," *Groves, J.B.*, 1884, 3.

L. Monk's Dale, *Searle, C.D.* Brook near Royal Hotel, Matlock Bath, *Bailey, C.D.* Monsal Dale, in the stream, *Miss Armitage.*

Var. *papillata* Wallr.

L. Pond at the top of Ashbourne Green, *f. H. & J. Groves.*

Var. crassicaulis Kuetz.

L. Monsal Dale, *Pullinger in J.B.*, 1885, 82.

TOLYPELLA *Leonh.*

T. glomerata *Leonh.*

Native. Ponds, ditches. Very rare. A. April-May.

First found, *W. R. Linton*, 1900.

P. Ponds, Langwith Wood.

NITELLA *Agardh.*

N. opaca *Agardh.*

Native. Pools, streams, canals. Rare. P. May-June.

First found, *Purchas*, 1862 (*J.B.*, 1883, 22); record, *N.H. Tutb.*, 1863.

L. In the brook near Brough.

G1. Chapel Reservoir.

G2. R. Amber, Ashover, *Bailey, B.L. Rec.* At the foot of the Cascade, in the Rock Gardens, Chatsworth, *Purchas.*

T2. Canal below Chellaston.

T3. Ticknall, *N.H. Tutb.* (*N. flexilis* L.).

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CORRECTIONS AND ADDITIONS.

Page 1, line 7 from bottom, *for* J.G. *read* G.J.
,, 7, ,, 6, *for* Crateagus *read* Cratægus.
,, 15, ,, 6, *for* Elocharis *read* Eleocharis.
,, 17, ,, 5 from bottom, *for* on *read* in.
,, 19, ,, 2, *for* Mr. *read* Dr.
,, 22, ,, 8, and 211, 18 from bottom, *for* coer *read* cær-.
,, 29, ,, 11 from bottom, *for* "*Rhacom-*" *read* "*Rhacomi-*."
,, 36, ,, 11, and 41, 6 from bottom, *for* Barbaræa *read* Barbarea.
,, 39, ,, 7, and 49, 8 from bottom, *for* Drouettii *read* Drouetii.
,, 42, ,, 16 from bottom, *for* "*Roehleri*" *read* "*Koehleri*," and 2 from bottom, *for* "*nemorora*" *read* "*nemorosa*."
,, 43, bottom line, *for* "*Potamogetum*" *read* "*Potamogeton*."
,, 48, line 6, *for* Swarkstone *read* Swarkestone.
,, 51, ,, 2, *add* "Westend Farm, *Gibbs*."
,, 53, ,, 6 from bottom, and 165, 13 from bottom, *for* Boyleston *read* Boylestone.
,, 57, ,, 2, *for* *L.* *read* L.
,, 60, after line 7, *add* "**F. Boræi** *Jord.* C. Brockwell Lane, Chesterfield, *Drabble*."
,, 64, line 4, 65, 11, and 127, 6, *for* Ecclesbourne *read* Ecclesbourn.
,, 64, ,, 6, *for* Cauldwell *read* Cordwell.
,, 66, ,, 3-4 from bottom, *by* "the type" *is meant* E. *vulgaris*.
,, 68, ,, 17, *for* Hedge Garlic *read* *Hedge Garlic*.
,, 71, ,, 15 from bottom, *for* Avenaria *read* Arenaria.
,, 74, ,, 11, *for* Hackenthorp *read* Hackenthorpe.
,, 81, ,, 20, and 98, 21, *for* Mossbrough *read* Mosbrough.
,, 85, ,, 8, *for* Bleak *read* Blake.
,, 93, ,, 8 from bottom, *for* phoeum *read* phæum.
,, 96, ,, 20 from bottom, *for* L'HÉRIT *read* *L'Hérit*.
,, 96, ,, 16 from bottom, and 176, 13 from bottom, *for* Mace- *read* Mase-.
,, 97, ,, 10 from bottom, and 106, 6 from bottom, *for* Steetly *read* Steetley.
,, 99, ,, 17 from bottom, 203, 13 from bottom, 237, 11 from bottom, and 244, 11, *for* Ladybower *read* Ladybooth.
,, 100, ,, 5-6, *erase* "Normanton—*Burton*."
,, 106, ,, 9, *for* Higger *read* Higgar.
,, 107, ,, 7, *for* Corbar *read* Curbar.
,, 119, ,, 18, and 124, 7, *for* Chamnifield *read* Channifield.
,, 119, ,, 7 from bottom, *after* "Wirksworth" *insert* "*B. & N.*, *J.B.*"
,, 120, ,, 11, *for* pyramidalist *read* pyramidalis.
,, 123, ,, 22, *dele the line*; 9 from bottom, *for* Cobnor *read* Cobnar.
,, 124, ,, 8 from bottom, *for* "*infecundas*" *read* "*infecundus*."

Page 125, line 22, *for* Wingersworth *read* Wingerworth.
,, 126, ,, 16, *for* Somersal *read* Somershall.
,, 126, ,, 20, 148, 12, and 160, 3 from bottom, *for* Lovers' *read* Lover's.
,, 127, ,, 21, *before* "Bretby" *insert* "Cauldwell;"
,, 131, ,, 18, *for* Zimm). *read* Zimm.)
,, 144, ,, 5, *add* "Wirksworth, *Gibbs.*"
,, 144, ,, 5 from bottom, *add* ; *after* "Beeley".
,, 145, ,, 15, *add* "Ashley Hay, Wirksworth, *Gibbs.*"
,, 149, ,, 8, *for* Raddleput *read* Raddlepit.
,, 158, ,, 2 from bottom, and 164, 12, *for* Record *read* record.
,, 164, ,, 18, *before* "Mickleover" *insert* "Etwall;".
,, 167, ,, 3, *for* "*Dogweed*" *read* "*Dog Wood.*"
,, 176, ,, 2, *for* "*B.B.G.*" *read* "*N.B.G.*"
,, 182, *after* 9 from bottom, *insert* ANTHEMIS *L.*
,, 190, line 13, *add* "Wirksworth, *Gibbs.*
,, 193, ,, 11, *for* Craggs *read* Crags.
,, 199, ,, 22, *add* "Totley, *Gibbs.*"
,, 205, ,, 3, *add* ";" after Froggatt; and 18 from bottom, *for* Berkley *read* Berkeley.
,, 206, ,, 13, *for* rudro *read* rubro.
,, 207, ,, 11, *for* Rowlsey *read* Rowsley.
,, 208, ,, 17 from bottom, *for* Charlsworth *read* Charlesworth.
,, 213, ,, 21, *for* Lee *read* Lea.
,, 216, ,, 6 from bottom, *dele* , *after* asperrimum.
,, 222, ,, 7, *for* Barewood *read* Bearwood.
,, 223, ,, 3 from bottom, 224, 5, 244, 14, 248, 8, and 273, 2, *dele* , or . *after* Trent.
,, 225, ,, 11-12, *erase* "Rushall—Wall."
,, 229, ,, 11, *after* Reservoir *put* , .
,, 235, ,, 6 from bottom, 251, 8, and 290, 18, *for* Watson's *read* Wats.
,, 237, ,, 9, *for* Bampton *read* Brampton.
,, 241, ,, 17 from bottom, *for* Canal *read* canal.
,, 244, ,, 1 from bottom, *for Flower read Fl.*
,, 255, ,, 10 from bottom, *for* Mezereon *read* Mezereum.
,, 259, ,, 9, and 267, 16, *add* "Bretby, *Gibbs.*"
,, 261, ,, 13, *for* CASTANIA *read* CASTANEA.
,, 261, bottom line, *add* "Bretby Park, *Gibbs.*"
,, 265, line 8, *for* Brierly *read* Brierley.
,, 270, ,, 16 from bottom, *for* medis *read* media.
,, 276, ,, 14 from bottom, *for* Coldwell *read* Cordwell.
,, 277, ,, 4 from bottom, *for* Streetly *read* Steetley.
,, 280, ,, 21, *after* Scrimshaw *dele* "." *and put* ",".
,, 283, ,, 14 from bottom, *after* Woods *dele* "." *and put* ",".
,, 298, ,, 19, *for* Bodsley *read* Rodsley.
,, 327, ,, 11 from bottom, *for* NS. *read* N.S.
,, 328, ,, 12, *for* "*Cressbrook*" *read* Cressbrook.

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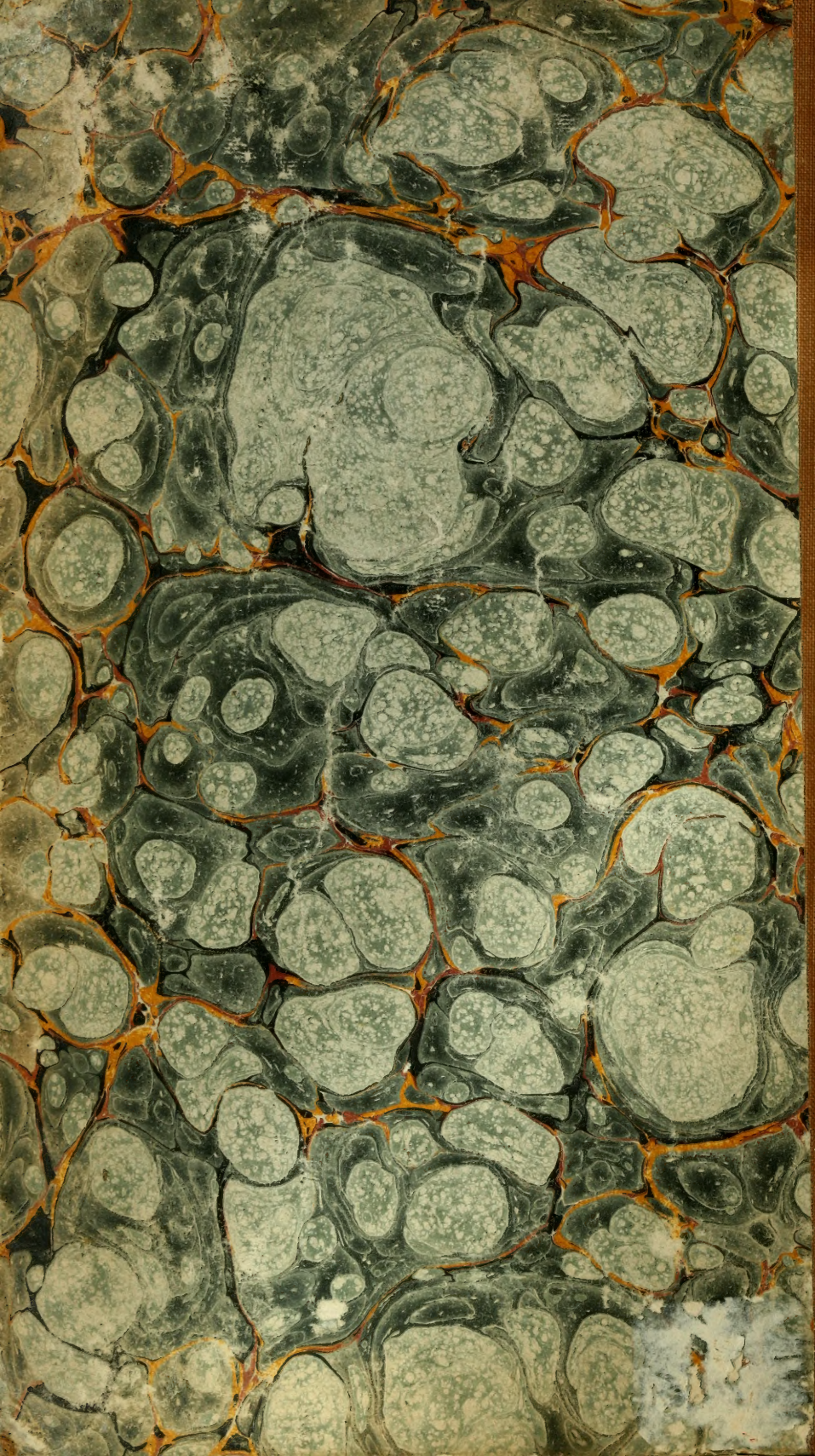
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